Issue date 09/16/2024 Version 1 Revised on 09/16/2024

1. Identification

Product Identifier
Product Name 2K Protective Coating - BLACK - **PART A**

Other means of identification
SDS # 2K Protective Coating - BLACK - **PART A**

Recommended use of the chemical and restrictions on use
Recommended Use Texture Coating

Details of the supplier of the safety data sheet
Supplier Address

Seymour of Sycamore
917 Crosby Avenue
Sycamore, IL 60178 USA

Seymour of Sycamore
3041 Dougall Avenue, Suite 503
Windsor, ONT N9E 1S3 CANADA

Emergency Telephone Number
Company Phone Number 815-895-9101 | 800-435-4482 (Canada)
Emergency Telephone (24 hr) 1-800-255-3924

2. Hazards Identification

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Classification

Flammable Liquids	Category 2
Acute toxicity -Oral	Category 5
Aspiration hazard	Category 1
Acute toxicity - Dermal	Category 5
Skin corrosion/irritation	Category 2
Respiratory or skin sensitization - Skin	Category 1
Serious Eye Damage/Eye Irritation	Category 2A
Acute toxicity - Inhalation	Category 2
Respiratory or skin sensitization, - Respiratory	Category 1
Specific target organ toxicity - Single exposure	Category 3
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity - Repeated exposure	Category 2
Environmental, Hazards to the aquatic environment - Acute	Category 2

Signal Word
Danger

Hazard Statements
H303 - May be harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H313 - May be harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H330 - Fatal if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

(Contd. on page 2)

H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H361 - Suspected of damaging fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
H401 - Toxic to aquatic life

Precautionary Statements - Prevention

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash skin thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284 - Wear respiratory protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

Precautionary Statements - Response

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/ attention. Immediately call a POISON CENTER or doctor/ physician.
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Precautionary Statements - Disposal

Dispose of contents/ container to an approved waste disposal plant.

3. Composition/Information On Ingredients

Chemical Name	CAS No	Weight-%
Poly(oxy-1, 4-butanediyl), .alpha, - hydro -.omega. -hydroxy-	25190-06-1	40-60
Isophorone diisocyanate	40908-71-9	10-30
Toluene	108-88-3	5-25
Ethyl Acetate	141-78-6	1-11
Tert-Butyl Acetate	540-88-5	1-6
4,4'-Methylenediphenyl diisocyanate	101-68-8	1-4
Benzene, 1,1' - methylenebis [isocyanato-	26447-40-5	1-4
Benzene, 1,1' - methylenebis [isocyanato-, homopolymer	39310-05-9	<2

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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4. First-Aid Measures

First Aid Measures

Eye Contact IF IN EYES: Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Obtain medical attention if irritation develops or persists.

Skin Contact IF ON SKIN Immediately rinse with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.

Inhalation IF INHALED: remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing dificulty persists.

Ingestion IF SWALLOWED: do not induce vomiting: seek medical advice immediately and show this container or label.

5. Fire-Fighting Measures

Flash Point: 66 F

Flash Point Method: Closed Cup

Suitable extinguishing media Foam, powder, carbon dioxide, water spray.

Unsuitable extinguishing media: Use of heavy stream of water may spread fire.

Flammable liquid and vapor. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Under conditions of fire, this material may produce carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen cyanide. Product is not explosive, however formation of explosive air-vapor mixture is possible.

Exercise caution when fighting any chemical fire. Do not breathe fumes from fires or vapors from decomposition. Do not use a solid water stream as it may scatter and spread fire. Exercise caution when fighting any chemical fire. Remove containers from fire area if this can be done without risk. Wear full fire-fighting turn-out gear and respiratory protection. Do not allow run-off from firefighting to enter drains or water courses.

6. Accidental Release Measures

Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mist. During cleaning/processing wear suitable respiratory equipment. Wear suitable protective clothing, gloves, and eye/face protection. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Ventilate area. Evacuate unnecessary personnel. Eliminate ignition sources. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Absorb and/or contain spill with inert material, then place in suitable container. Small quantities of liquid spill; take up in non-combustible absorbent material and shovel into container for disposal. Eliminate all ignition sources. Use only non-sparking tools.

7. Handling And Storage

Handling Precautions: Keep away from sources of ignition - no smoking. Keep away from heat and open flame. Avoid all eye and skin contact and do not breathe vapor or mist. Always wash hands after handling. Do not eat, drink, or smoke when using this product. Ensure there is adequate ventilation. Wear recommended personal protective equpiment. Take precautionary measures against statis discharge. Use grounded electrical/mechanical equipment.

Handle in accordance with good industrial hygiene and safety procedures. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Always wash your hands immediately after handling this product and once again before leaving the workplace.

Storage Requirements: Store in original container. Store in a dry, cool place. Store in a well ventilated place. Keep container tightly closed. Protect from moisture. Protect from heat and direct sunlight.

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8. Exposure Controls/Personal Protection

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment:

Poly(oxy-1,4-butanediyl), .alpha.-hydro-.omega.-hydroxy- cas#:(25190-06-1) [40-60%]

Eye/Face Protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M) Splash contact data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Respiratory Protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin and body protection:

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment:

Isophorone diisocyanate cas#:(4098-71-9) [10-30%]

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Splash protection:

Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 110 min Material tested:Camatril (KCL 730 / Aldrich Z677442, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection:

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal Protective Equipment:

Toluene cas#:(108-88-3) [5-25%]

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Fluorinated rubber Minimum layer thickness: 0.7 mm Break through time: 480 min Material tested:Vitoject (KCL 890 / Aldrich Z677698, Size M)

Splash contact: Material: Fluorinated rubber Minimum layer thickness: 0.7 mm Break through time: 480 min Material tested:Vitoject (KCL 890 / Aldrich Z677698, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Personal Protective Equipment:

Ethyl acetate cas#:(141-78-6) [1-11%]

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Splash protection: Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 113 min Material tested:Butoject (KCL 897 / Aldrich Z677647, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

(Contd. on page 6)

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Personal Protective Equipment:

tert-Butyl acetate cas#:(540-88-5) [1-6%]

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Splash protection: Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: > 30 min Material tested:Camatril (Aldrich Z677442, Size M) data source: KCL GmbH, D- 36124 Eichenzell, phone +49 (0)6659 873000, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection: Face shield & safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal Protective Equipment:

4,4'-Methylenediphenyl diisocyanate cas#:(101-68-8) [1-4%]

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a fullface supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Poly(oxy-1,4-butanediyl), .alpha.-hydro-.omega.-hydroxy (25190-06-1)	TWA 0.0050 ppm USA	Respiratory sensitization - TWA 0.005 ppm USA Skin notation - STEL 0.02 ppm TABLE Z-1 Limits for Air Contaminants -1910.1000	Skin notation - TWA 0.0050 ppm USA. Recommended Exposure Limits 0.045 mg/m3 Potential for dermal absorption ST 0.02 ppm USA. Recommended Exposure Limits 0.18 mg/m3
Toluene (108-88-3)	TWA 20 ppm USA Visual impairment, Female reproductive, Pregnancy loss, 2010 Adoption, Substances for which there is a Biological Exposure Index or Indices (see BEI section), Not classifiable as a human carcinogen	TWA 100 ppm USA. TABLE Z-1 Limits for 375 mg/m3 Air Contaminants - 1910.1000 STEL 150 ppm USA. TABLE Z-1 Limits for 560 mg/m3 Air Contaminants - 1910.1000 TWA 200 ppm USA. Table Z2 Z37.12- 1967 CEIL 300 ppm USA. (OSHA) - Table Z2 Z37.12- 1967 Peak 500 ppm USA. Occupational Exposure Limits. Table Z2 Z37.12- 1967	TWA 100 ppm USA. NIOSH Recommended 375 mg/m3 Exposure Limits ST 150 ppm USA. NIOSH Recommended 560 mg/m3 Exposure Limits
Ethyl acetate (141-78-6)	TWA 400 ppm USA. ACGIH Eye & Upper Respiratory Tract irritation	TWA 400 ppm USA. TABLE Z-1 Limits for 1,400 mg/m3 Air Contaminants - 1910.1000 TWA 400 ppm USA. 1,400 mg/m3 Table Z-1 Limits for Air Contaminants. The value in mg/m3 is approximate.	TWA 400 ppm USA. NIOSH Recommended 1,400 mg/m3 Exposure Limits
Tert-Butyl acetate (540-88-5)	TWA 200 ppm USA. ACGIH Eye & Upper Respiratory Tract irritation	TWA 200 ppm USA. TABLE Z-1 Limits for Air Contaminants - 950 mg/m3 1910.1000 TWA 200 ppm USA. - Table Z- 1 950 mg/m3 Limits for Air Contaminants The value in mg/m3 is approximate.	TWA 200 ppm USA. NIOSH Recommended Exposure Limits 950 mg/m3
4,4'-Methylenediphenyl diisocyanate (101-68-8)	TWA 0.0050 ppm USA. ACGIH Respiratory sensitization	C 0.02 ppm USA. TABLE Z-1 Limits for Air Contaminants -0.2 mg/m3 1910.1000 C 0.02 ppm USA. - Table Z- 1 0.2 mg/m3 Limits for Air Contaminants. The value in mg/m3 is approximate. Ceiling limit is to be determined from breathing-zone air samples.	TWA 0.0050 ppm USA. NIOSH Recommended Exposure Limits 0.05 mg/m3 - 10 minute ceiling value C 0.2 ppm USA. NIOSH Recommended Exposure Limits 0.2 mg/m3 - 10 minute ceiling value

9. Physical And Chemical Properties

Appearance: Clear, semi-viscous

Physical State: Liquid

Spec Grav./Density: 8.07 lbs/gal

Boiling Point: > 170 F

Odor: Aromatic

Flash Point: 66 F

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10. Stability And Reactivity

Reactivity Stable at ambient temperature and under normal conditions of use.

Chemical Stability Stable at standard temperature and pressure

Conditions to Avoid High temperatures and sources of ignition

Materials to Avoid: Strong bases and strong oxidizers

Hazardous Decomposition Products Under conditions of fire this material may produce- carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen cyanide

Hazardous Polymerization: Will not occur

11. Toxicological Information

Poly(oxy-1,4-butanediyl), .alpha.-hydro-.omega.-hydroxy- cas#:(25190-06-1) [40-60%]

Acute Toxicity Estimate
Oral LD50 no data available
Inhalation LC50
Dermal LD50

Other information on acute toxicity
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitisation: no data available
Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): Inhalation: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin: May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information: RTECS: MD0916000

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Isophorone diisocyanate cas#:(4098-71-9) [10-30%]

Information on toxicological effects

Acute toxicity: Oral LD50 LD50 Oral - rat - 4,825 mg/kg
Inhalation LC50 LC50 Inhalation - rat - 4 h - 123 mg/m3
Dermal LD50 no data available

Other information on acute toxicity Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: May cause allergic respiratory reaction.

Germ cell mutagenicity: no data available

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be fatal if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea

Synergistic effects: no data available

Additional Information: RTECS: NQ9370000

Toluene cas#:(108-88-3) [5-25%]

Information on toxicological effects

Acute toxicity: LD50 Oral - rat - > 5,580 mg/kg
LC50 Inhalation - rat - 4 h - 12,500 - 28,800 mg/m3
LD50 Dermal - rabbit - 12,196 mg/kg
no data available

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Skin corrosion/irritation: Skin - rabbit Result: Skin irritation - 24 h

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: rat Liver DNA damage

Carcinogenicity: IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Toluene)
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Damage to fetus possible Suspected human reproductive toxicant
Reproductive toxicity - rat - Inhalation:
Paternal Effects: Spermatogenesis (including genetic material, sperm morphology,motility, and count).
Experiments have shown reproductive toxicity effects in male and female laboratory animals.

Developmental Toxicity Rat - Oral:
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information: RTECS: XS5250000
Lung irritation, chest pain, pulmonary edema, Inhalation studies on toluene have demonstrated the development of inflammatory and ulcerous lesions of the penis, prepuce, and scrotum in animals.

Stomach - Irregularities Based on Human Evidence

Ethyl acetate cas#:(141-78-6) [1-11%]

Information on toxicological effects

Acute toxicity: LD50 Oral - rat - 5,620 mg/kg
LC50 Inhalation - mouse - 2 h - 45,000 mg/m3
LD50 Dermal - rabbit - > 18,000 mg/kg
no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

(Contd. on page 11)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information: RTECS: AH5425000
Central nervous system depression, Drowsiness, narcosis, anemia Kidney - Irregularities - Based on Human Evidence

tert-Butyl acetate cas#:(540-88-5) [1-6%]

Information on toxicological effects

Acute toxicity: Oral LD50 LD50 Oral - rat - 4,100 mg/kg Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Ataxia. Lungs, Thorax, or Respiration:Dyspnea.
Inhalation LC50 LC50 Inhalation - rat - 4 h - > 2,230 mg/m3
Dermal LD50 LD50 Dermal - rabbit - > 2,000 mg/kg Remarks: Diarrhoea Kidney, Ureter, Bladder:Other changes.

Other information on acute toxicity no data available

Skin corrosion/irritation: Skin - rabbit - Mild skin irritation

Serious eye damage/eye irritation: Eyes - rabbit - Mild eye irritation

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

(Contd. on page 12)

Potential health effects: Inhalation Toxic if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information: RTECS: AF7400000

4,4'-Methylenediphenyl diisocyanate cas#:(101-68-8) [1-4%]

Information on toxicological effects

Acute toxicity: Oral LD50 LD50 Oral - rat - 4,700 mg/kg
Inhalation LC50 Dermal LD50 no data available

Other information on acute toxicity

Skin corrosion/irritation: Serious eye damage/eye irritation:

Eyes rabbit - Moderate eye irritation

Respiratory or skin sensitization: no data available. May cause allergic respiratory and skin reactions

Germ cell mutagenicity: Laboratory experiments have shown mutagenic effects.

Genotoxicity in vitro: Human - lymphocyte Sister chromatid exchange

Genotoxicity in vivo: Rat - Inhalation DNA damage

Carcinogenicity: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. Limited evidence of carcinogenicity in animal studies
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Diphenylmethane-4,4- diisocyanate)
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Reproductive toxicity - rat - Inhalation:

Maternal Effects: Other effects. Specific Developmental Abnormalities: Musculoskeletal system. no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be fatal if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation.
Eyes: Causes eye irritation.

(Contd. on page 13)

Issue date 09/16/2024 Version 1 Revised on 09/16/2024

Signs and Symptoms of Exposure: Cough, Shortness of breath, Headache, Nausea, Vomiting, Pulmonary edema. Effects may be delayed.

Synergistic effects: no data available

Additional Information: RTECS: NQ9350000

12. Ecological Information

Poly(oxy-1,4-butanediyl), .alpha.-hydro-.omega.-hydroxy- cas#:(25190-06-1) [40-60%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Isophorone diisocyanate cas#:(4098-71-9) [10-30%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

Toluene cas#:(108-88-3) [5-25%]

Information on ecological effects

Toxicity: Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h.
NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d
Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 8.00 mg/l - 24 h. other aquatic invertebrates
Immobilization EC50 - Daphnia magna (Water flea) - 6 mg/l - 48 h
Toxicity to algae EC50 - Chlorella vulgaris (Fresh water algae) - 245.00 mg/l - 24 h.
EC50 - Pseudokirchneriella subcapitata (green algae) - 10.00 mg/l - 24 h

Persistence and degradability: Biodegradability Result: - Readily biodegradable.

Bioaccumulative potential: no data available

Mobility in soil: no data available

(Contd. on page 14)

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

Ethyl acetate cas#:(141-78-6) [1-11%]

Information on ecological effects

Toxicity: Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 350.00 - 600.00 mg/l - 96 h.
LC50 - Pimephales promelas (fathead minnow) - 220.00 - 250.00 mg/l - 96 h
Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 2,300.00 - 3,090.00 mg/l - 24 h. other aquatic invertebrates
LC50 - Daphnia magna (Water flea) - 560 mg/l - 48 h
Toxicity to algae EC50 - Algae - 4,300.00 mg/l - 24 h.
EC50 - SELENASTRUM - 1,800.00 - 3,200.00 mg/l - 72 h

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

tert-Butyl acetate cas#:(540-88-5) [1-6%]

Information on ecological effects

Toxicity: Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 296 - 362 mg/l - 96 h.

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

4,4'-Methylenediphenyl diisocyanate cas#:(101-68-8) [1-4%]

Information on ecological effects

Toxicity: Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 0.35 mg/l - 24 h. and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: Do not empty into drains. No data available

(Contd. on page 15)

13. Disposal Considerations

Disposal:

Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Do not allow material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

14. Transport Information

UN1992, Flammable liquids, toxic, n.o.s., (Toluene, Isophorone Diisocyanate), 3(6.1), PG II

15. Regulatory Information

[%] RQ (CAS#) Substance - Reg Codes

[40-60%] Poly(oxy-1,4-butanediyl), .alpha.-hydro-. omega.-hydroxy- (25190-06-1)	TSCA, TSCAACTV
[10-30%] Isophorone diisocyanate (4098-71-9)	EHS302, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TSCAACTV, TXAIR
[5-25%] RQ(1000LBS), Toluene (108-88-3)	CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, SVHC, TOXICPOL, TOXICRCRA, TSCA, TSCAACTV, TXAIR, TXHWL
[1-11%] RQ(5000LBS), Ethyl acetate (141-78-6)	CERCLA, MASS, OSHAWAC, PA, TOXICRCRA, TSCA, TSCAACTV, TXAIR, TXHWL
[1-6%] RQ(5000LBS), tert-Butyl acetate (540-88-5)	CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TSCAACTV, TXAIR
[1-4%] 4,4'-Methylenediphenyl diisocyanate (101-68-8)	CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, SVHC, TSCA, TSCAACTV, TXAIR
[1-4%] Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	TSCA, TSCAACTV
[<2%] Benzene, 1,1'-methylenebis[isocyanato- homopolymer (39310-05-9)	TSCA, TSCAACTV

California Proposition 65

This product can expose you to chemicals including Titanium dioxide, Disononyl phthalate, Carbon black, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Regulatory Code Legend:

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EHS302 = Extremely Hazardous Substance
EPCRAWPC = EPCRA Water Priority Chemicals
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
PROP65 = CA Prop 65
RQ = Reportable Quantity
SARA313 = SARA 313 Title III Toxic Chemicals
SVHC = Contains a substance on the REACH/SVHC List
TOXICPOL = Clean Water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TSCAACTV = TSCA Active Chemicals
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List

(Contd. on page 16)

16. Other Information

NFPA	**Health Hazards** 3	**Flammability** 2	**Instability** 1	**Special Hazards** Not determined
HMIS	**Health Hazards** 3	**Flammability** 2	**Physical Hazards** 1	**Personal Protection** Not determined

Issue Date: 09/16/2024

Disclaimer

Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.

(Contd. on page 17)

1. Identification

Product Identifier
Product Name 2K Protective Coating - BLACK - **PART B**

Other means of identification
SDS # 2K Protective Coating - BLACK - **PART B**

Recommended use of the chemical and restrictions on use
Recommended Use Texture Coating

Details of the supplier of the safety data sheet
Supplier Address

Seymour of Sycamore
917 Crosby Avenue
Sycamore, IL 60178 USA

Seymour of Sycamore
3041 Dougall Avenue, Suite 503
Windsor, ONT N9E 1S3 CANADA

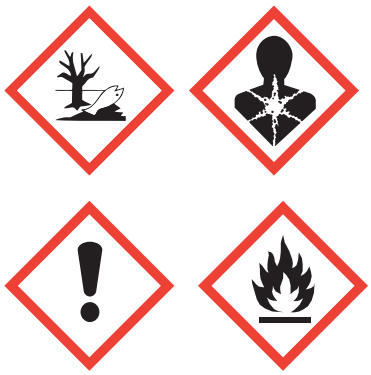
Emergency Telephone Number
Company Phone Number 815-895-9101 | 800-435-4482 (Canada)
Emergency Telephone (24 hr) 1-800-255-3924

2. Hazards Identification

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Classification

Flammable Liquids	Category 2
Acute toxicity -Oral	Category 4
Acute toxicity - Dermal	Category 5
Skin corrosion/irritation	Category 2A
Respiratory or skin sensitization - Skin	Category 1
Serious Eye Damage/Eye Irritation	Category 2A
Specific target organ toxicity - Single exposure	Category 3
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity - Repeated exposure	Category 2
Environmental, Hazards to the aquatic environment - Acute	Category 1
Environmental, Hazards to the aquatic environment - Chronic	Category 1



Signal Word
Danger

Hazard Statements
H225 - Highly flammable liquid and vapor
H302 - Harmful if swallowed
H313 - May be harmful in contact with skin
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H360 - May damage fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

(Contd. on page 18)

Precautionary Statements - Prevention

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P281 - Use personal protective equipment as required.

Precautionary Statements - Response

IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/ attention. Call a POISON CENTER or doctor/ physician if you feel unwell. Get medical advice/attention if you feel unwell.

Specific treatment

(see supplemental first aid instructions on this label). Rinse mouth.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Collect spillage.ion.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Precautionary Statements - Disposal

Dispose of contents/ container to an approved waste disposal plant.

3. Composition/Information On Ingredients

Chemical Name	CAS No	Weight-%
Ethyl Acetate	141-78-6	50-70
Benzenediamine, ar, ar-diethyl-ar-methyl-	25190-06-1	15-35
Carbon Black	40908-71-9	1-4
Distillates, petroleum, hydrotreated light	108-88-3	1-4
2-Propanol, 1-methoxy-, acetate	540-88-5	1-4
Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester	101-68-8	<5
Phenol, 2-(2H-benxotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-	26447-40-5	<4
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	39310-05-9	<3
Titanium Dioxide	13463-67-7	<1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

(Contd. on page 19)

4. First-Aid Measures

First Aid Measures

Eye Contact IF IN EYES: Immediately rinse with water for a prolonged period (at least 15 minutes). Remove contact lenses, if present and easy to do. Obtain medical attention if irritation develops or persists.

Skin Contact IF ON SKIN IImmediately rinse with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.

Inhalation IF INHALED: remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing dificulty persists..

Ingestion IF SWALLOWED: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

5. Fire-Fighting Measures

Flash Point: 66 F

Flash Point Method: Closed Cup

Suitable extinguishing media Foam, powder, carbon dioxide, water spray.

Unsuitable extinguishing media: Use of heavy stream of water may spread fire.

Flammable liquid and vapour. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Under conditions of fire this material may produce: Carbon dioxide (CO2). Carbon monoxide. Nitrogen oxides.

Product is not explosive, however, formation of explosive air-vapour mixture is possible. Stable at ambient temperature and under normal conditions of use.

Exercise caution when fighting any chemical fire. Do not breathe fumes from fires or vapors from decomposition. Do not use a solid water stream as it may scatter & spread fire. Exercise caution when fighting any chemical fire. Remove containers from fire area if this can be done without risk. Wear full fire-fighting turn-out gear (full Bunker gear) & respiratory protection (SCBA). Do not allow run-off from firefighting to enter drains or water courses. Refer to Section 9 for flammability properties.

6. Accidental Release Measures

Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist. Evacuate unnecessary personnel. Eliminate ignition sources. Wear suitable protective clothing, gloves and eye/face protection. Use recommended respiratory protection. Eliminate ignition sources. Stop leak if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Ventilate area. Absorb and/or contain spill with inert material, then place in suitable container. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Use only non-sparking tools.

7. Handling And Storage

Handling Precautions: Keep away from sources of ignition - No smoking. Keep away from heat & open flame. Avoid all eye & skin contact & do not breathe vapour or mist. Always wash hands after handling. Do not eat, drink or smoke when using this product. Ensure there is adequate ventilation. Wear recommended personal protective equipment. Take precautionary measures against static discharge. Use grounded electrical/mechanical equipment.

Handle in accordance with good industrial hygiene & safety procedures. Emergency eye wash fountains & safety showers should be available in the immediate vicinity of any potential exposure. Always wash your hands immediately after handling this product, & once again before leaving the workplace. Do not eat, drink or smoke in areas where product is used.

Storage Requirements: Store in original container. Store in a dry, cool place. Store in a well ventilated place. Keep container tightly closed. Protect from moisture. Protect from heat and direct sunlight.

(Contd. on page 20)

8. Exposure Controls/Personal Protection

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment: **Ethyl acetate cas#:(141-78-6) [50-70%]**

Eye/Face Protection Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand Protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Splash contact: Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 113 min Material tested:Butoject (KCL 897 / Aldrich Z677647, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Personal Protective Equipment: **Carbon black cas#:(1333-86-4) [1-4%]**

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

(Contd. on page 21)

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a fullface supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Personal Protective Equipment:

2-Propanol, 1-methoxy-, acetate cas#:(108-65-6) [1-4%]

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: > 480 min Material tested:Butoject (KCL 897 / Aldrich Z677647, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 79 min Material tested:Camatril (KCL 730 / Aldrich Z677442, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment:

Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- cas#:(25973-55-1) [<4%]

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

(Contd. on page 22)

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	WEEL
Ethyl acetate (141-78-6)	TWA 400 ppm USA. ACGIH Eye & Upper Respiratory Tract irritation	TWA 400 ppm USA. TABLE Z-1 Limits for 1,400 mg/m3 Air Contaminants - 1910.1000 TWA 400 ppm USA. 1,400 mg/m3 Table Z-1 Limits for Air Contaminants. The value in mg/m3 is approximate.	TWA 400 ppm USA.1,400 mg/m3 NIOSH Recommended Exposure Limits	
Carbon black (1333-86-4)	TWA 3.5 mg/m3 USA. ACGIH (TLV)	TWA 3.5 mg/m3 USA. TABLE Z-1 Limits for Air Contaminants - 1910.1000 TWA 3.5 mg/m3 USA. Table Z-1 Limits for Air Contaminants	TWA 3.5 mg/m3 USA. TWA 0.1 mg/m3 USA. NIOSH Recommended Exposure Limits	
2-Propanol, 1-methoxy-, acetate (108-65-6)				TWA 50 ppm USA. Workplace Environmental Exposure Levels

Potential Occupational Carcinogen: Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs). See Appendix C. See Appendix A

9. Physical And Chemical Properties

Appearance: Black

Physical State: Liquid

Spec Grav./Density: 7.96 lbs/gallon

Boiling Point: > 170 F

Odor: Fruity

Flash Point: 66 F

VOC: 382 g/L (both A and B components mixed)

10. Stability And Reactivity

Reactivity Stable at ambient temperature and under normal conditions of use.

Chemical Stability Stable at standard temperature and pressure

Conditions to Avoid High temperatures and sources of ignition

Materials to Avoid Strong bases and strong oxidizers

Hazardous Decomposition By high heat and fire, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide

Hazardous Polymerization Will not occur

11. Toxicological Information

Ethyl acetate cas#:(141-78-6) [50-70%]

Acute Toxicity Estimate:
LD50 Oral - rat - 5,620 mg/kg
LC50 Inhalation - mouse - 2 h - 45,000 mg/m3
LD50 Dermal - rabbit - > 18,000 mg/kg
no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

(Contd. on page 23)

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information: RTECS: AH5425000
Central nervous system depression, Drowsiness, narcosis, anemia Kidney - Irregularities - Based on Human Evidence

Carbon black cas#:(1333-86-4) [1-4%]

Information on toxicological effects

Acute toxicity: LD50 Oral - rat - male and female - > 8,000 mg/kg (OECD Test Guideline 401) Inhalation: no data available
LD50 Dermal - rabbit - > 3,000 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation - 24 h (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: No eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitisation: Guinea pig Result: Did not cause sensitisation on laboratory animals. (OECD Test Guideline 406)

Germ cell mutagenicity: Ames test S. typhimurium Result: negative
Hamster ovary
DNA repair rat - female

Carcinogenicity: Carcinogenicity - rat - Inhalation:

Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration:Tumors.
This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification. Limited evidence of carcinogenicity in animal studies
IARC: 2B - Group 2B: Possibly carcinogenic to humans (Carbon black)
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

(Contd. on page 24)

Additional Information: RTECS: FF5800000
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

2-Propanol, 1-methoxy-, acetate cas#:(108-65-6) [1-4%]
Information on toxicological effects

Acute toxicity: Oral LD50 LD50 Oral - rat - 8,532 mg/kg
Inhalation LC50 no data available
Dermal LD50 LD50 Dermal - rabbit - > 5,000 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - No skin irritation

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: Maximisation Test - guinea pig - Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity: no data available

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: Specific target organ toxicity - single exposure (Globally Harmonized System): no data available
Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information: RTECS: AI8925000

Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- cas#:(25973-55-1) [<4%]
Information on toxicological effects

Acute toxicity: Oral LD50 no data available
Inhalation LC50 Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

(Contd. on page 25)

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information: RTECS: Not available

12. Ecological Information

Ethyl acetate cas#:(141-78-6) [50-70%]

Information on ecological effects

Toxicity: Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 350.00 - 600.00 mg/l - 96 h.
LC50 - Pimephales promelas (fathead minnow) - 220.00 - 250.00 mg/l - 96 h
Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 2,300.00 - 3,090.00 mg/l - 24 h. other aquatic invertebrates
LC50 - Daphnia magna (Water flea) - 560 mg/l - 48 h
Toxicity to algae EC50 - Algae - 4,300.00 mg/l - 24 h.
EC50 - SELENASTRUM - 1,800.00 - 3,200.00 mg/l - 72 h

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Persistence and degradability: Biodegradability Result: - Readily biodegradable.

Bioaccumulative potential: no data available

Mobility in soil: no data available

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Carbon black cas#:(1333-86-4) [1-4%]
Information on ecological effects

Toxicity: Toxicity to fish LC50 - Danio rerio (zebra fish) - > 1,000 mg/l - 96 h.
Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - > 5,600 mg/l - 24 h. other aquatic (OECD Test Guideline 202) invertebrates
Toxicity to algae static test EC50 - Desmodesmus subspicatus (green algae) - > 10,000 mg/l -: 72 h (OECD Test Guideline 201)

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

2-Propanol, 1-methoxy-, acetate cas#:(108-65-6) [1-4%]
Information on ecological effects

Toxicity: Toxicity to fish mortality LC50 - Salmo gairdneri - 100 - 180 mg/l - 96 h.
Method: OECD Test Guideline 203
Toxicity to daphnia Immobilization EC50 - Daphnia magna (Water flea) - > 500 mg/l - 48 h. and other aquatic
Method: Tested according to Annex V of Directive 67/548/EEC. invertebrates NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d
Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 8.00 mg/l - 24 h. other aquatic invertebrates
Immobilization EC50 - Daphnia magna (Water flea) - 6 mg/l - 48 h
Toxicity to algae EC50 - Chlorella vulgaris (Fresh water algae) - 245.00 mg/l - 24 h.
EC50 - Pseudokirchneriella subcapitata (green algae) - 10.00 mg/l - 24 h

Persistence and degradability: Biodegradability Biotic/Aerobic Result: 100 % - Readily biodegradable.

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: Biochemical Oxygen 0.36 mg/l Demand (BOD)

Chemical Oxygen 1.74 mg/g Demand (COD) An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- cas#:(25973-55-1) [<4%]
Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

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PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unp rofessional handling or disposal. no data available

13. Disposal Considerations

Disposal:

Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Do not allow material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

14. Transport Information

DOT - UN1263, Paint, 3, PG II
IMDG/IATA/ICAO - UN1263, Paint, 3, PG II, Marine Pollutant

15. Regulatory Information

[%] RQ (CAS#) Substance - Reg Codes

[50-70%] RQ(5000LBS), Ethyl acetate (141-78-6) CERCLA, MASS, OSHAWAC, PA, TOXICRCRA, TSCA, TSCAACTV, TXAIR, TXHWL

[15-35%] Benzenediamine, ar,ar-diethyl-ar-methyl- (68479-98-1) TSCA, TSCAACTV

[1-4%] Carbon black (1333-86-4) MASS, OSHAWAC, PA, PROP65, SVHC, TSCA, TSCAACTV, TXAIR

[1-4%] Distillates, petroleum, hydrotreated light (64742-47-8) TSCA, TSCAACTV

[1-4%] 2-Propanol, 1-methoxy-, acetate (108-65-6) TSCA, TSCAACTV

[<5%] Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester (41556-26-7) TSCA, TSCAACTV

[<4%] Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (25973-55-1) TSCA, TSCAACTV

[<3%] Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester (82919-37-7) TSCA, TSCAACTV

[<1%] Titanium dioxide (13463-67-7) MASS, OSHAWAC, PA, SVHC, TSCA, TSCAACTV, TXAIR

California Proposition 65

This product can expose you to chemicals including Carbon black (airborne, unbound particles of respirable size), which WARNING is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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Regulatory Code Legend:

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EHS302 = Extremely Hazardous Substance
EPCRAWPC = EPCRA Water Priority Chemicals
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
PROP65 = CA Prop 65
RQ = Reportable Quantity
SARA313 = SARA 313 Title III Toxic Chemicals
SVHC = Contains a substance on the REACH/SVHC List
TOXICPOL = Clean Water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TSCAACTV = TSCA Active Chemicals
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List

16. Other Information

NFPA	**Health Hazards** 2	**Flammability** 2	**Instability** 0	**Special Hazards** Not determined
HMIS	**Health Hazards** 2	**Flammability** 2	**Physical Hazards** 0	**Personal Protection** Consult your supervisor for special instructions

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Disclaimer

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END OF SAFETY DATA SHEET