



Revision Date 02-Jun-2025

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS
which includes the amended Hazardous Products Act (HPA) and the Hazardous Products
Regulation (HPR)

Version 1

1. Identification

Product identifier

Product Name 80BR SUPER WEATHERSTRIP ADHESIVE 2 FL.OZ

Other means of identification

Product Code 80638

UN number or ID number UN1133

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Contact adhesive

Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer Address

ITW Permatex, Inc.
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

May Also Be Distributed by:

ITW Permatex Canada
101-2360 Bristol Circle
Oakville, ON Canada L6H 6M5
Telephone: (800) 924-6994

E-mail address mail@permatex.com

Emergency telephone number

24 Hour Emergency Phone Number Chem-Tel: 800-255-3924
International Emergency:
00+1+ 813-248-0585
Contract Number: MIS0003453

24-hour emergency phone number No information available

2. Hazard(s) identification

Classification

| | |
|--|-------------|
| Flammable liquids | Category 2 |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |
| Reproductive toxicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Specific target organ toxicity (repeated exposure) | Category 1 |
| Aspiration hazard | Category 1 |

Label elements

Contains METHYL ETHYL KETONE (BUTANONE); ACETONE; TOLUENE; N-HEXANE



Danger

Hazard statements

Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
Causes damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

Precautionary Statements - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves, protective clothing, eye protection and face protection.
Wash face, hands and any exposed skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Do not breathe dust.
Do not eat, drink or smoke when using this product.
Ground and bond container and receiving equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Use explosion-proof electrical, ventilating and lighting equipment.
Keep cool.

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention.
Specific treatment (see supplemental first aid instructions on this label).

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice and attention.

Skin

IF ON SKIN: Wash with plenty of water and soap.
If skin irritation occurs: Get medical advice and attention.
Take off contaminated clothing and wash it before reuse.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor if you feel unwell.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor.
Do NOT induce vomiting.

Fire

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

12 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

14.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

85 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

51 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

48.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Other Information

May be harmful if swallowed. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health.

| Chemical name | CAS No. | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--------------------------------|-----------|----------|--|---|
| METHYL ETHYL KETONE (BUTANONE) | 78-93-3 | 10-30% | - | - |
| ACETONE | 67-64-1 | 10-30% | - | - |
| TOLUENE | 108-88-3 | 10-30% | - | - |
| N-HEXANE | 110-54-3 | 10-30% | - | - |
| MAGNESIUM OXIDE | 1309-48-4 | 1-5% | - | - |
| SILICON DIOXIDE | 7631-86-9 | 1-5% | - | - |

4. First-aid measures

Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Inhalation

Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.

Self-protection of the first aider

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use

personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

| | |
|----------------------------|---|
| Symptoms | Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. |
| Effects of Exposure | May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility. Causes damage to organs through prolonged or repeated exposure. |

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|---|
| Note to physicians | Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. |
|---------------------------|---|

5. Fire-fighting measures

| | |
|---|---|
| Suitable Extinguishing Media | Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam. |
| Large Fire | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. |
| Specific hazards arising from the chemical | Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Explosion data | |
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge | Yes. |
| Special protective equipment and precautions for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|--|
| Personal precautions | Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. |
| Other information | Ventilate the area. Refer to protective measures listed in Sections 7 and 8. |

Methods and material for containment and cleaning up

| | |
|--------------------------------|---|
| Methods for containment | Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. |
| Methods for cleaning up | Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. |

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

8. Exposure controls/personal protection

Control Parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|--|-------------------------------------|---|---|
| METHYL ETHYL KETONE (BUTANONE) 78-93-3 | TWA: 75 ppm STEL: 150 ppm pSk | TWA: 200 ppm TWA: 590 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m ³ (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m ³ | TWA: 200 ppm; TWA: 590 mg/m ³ ; STEL: 300 ppm STEL: 885 mg/m ³ IDLH: 3000 ppm |
| ACETONE 67-64-1 | TWA: 250 ppm STEL: 500 ppm | TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. (vacated) STEL: 1000 ppm | TWA: 250 ppm; TWA: 590 mg/m ³ ; IDLH: 2500 ppm |
| TOLUENE 108-88-3 | TWA: 20 ppm pOt | TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm | TWA: 100 ppm; TWA: 375 mg/m ³ ; STEL: 150 ppm STEL: 560 mg/m ³ IDLH: 500 ppm |
| N-HEXANE 110-54-3 | TWA: 50 ppm pSk | TWA: 500 ppm TWA: 1800 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m ³ | TWA: 50 ppm; TWA: 180 mg/m ³ ; IDLH: 1100 ppm |
| MAGNESIUM OXIDE | TWA: 10 mg/m ³ inhalable | TWA: 15 mg/m ³ fume, total | IDLH: 750 mg/m ³ fume |

| | | | |
|------------------------------|--------------------|--|--|
| 1309-48-4 | particulate matter | particulate (vacated) TWA: 10 mg/m ³ fume and total particulate | |
| SILICON DIOXIDE 7631-86-9 | - | (vacated) TWA: 6 mg/m ³ <1% Crystalline silica TWA: 20 mppcf : (80)/(%) SiO ₂ mg/m ³ TWA | TWA: 6 mg/m ³ ; IDLH: 3000 mg/m ³ |

| Chemical name | Alberta | British Columbia | Ontario | Quebec |
|--|--|--|--|---|
| METHYL ETHYL KETONE (BUTANONE) 78-93-3 | TWA: 200 ppm; TWA: 590 mg/m ³ ; STEL: 300 ppm; STEL: 885 mg/m ³ ; | TWA: 50 ppm; STEL: 100 ppm; Adverse reproductive effect Sk | TWA: 200 ppm; STEL: 300 ppm; | TWAEV: 50 ppm; TWAEV: 150 mg/m ³ ; STEV: 100 ppm; STEV: 300 mg/m ³ ; |
| ACETONE 67-64-1 | TWA: 500 ppm; TWA: 1200 mg/m ³ ; STEL: 750 ppm; STEL: 1800 mg/m ³ ; | TWA: 250 ppm; STEL: 500 ppm; | TWA: 250 ppm; STEL: 500 ppm; | TWAEV: 250 ppm; STEV: 500 ppm; |
| TOLUENE 108-88-3 | TWA: 50 ppm; TWA: 188 mg/m ³ ; pSk | TWA: 20 ppm; Adverse reproductive effect | TWA: 20 ppm; | TWAEV: 20 ppm; |
| N-HEXANE 110-54-3 | TWA: 50 ppm; TWA: 176 mg/m ³ ; pSk | TWA: 20 ppm; Sk | TWA: 50 ppm; dSk | TWAEV: 50 ppm; TWAEV: 176 mg/m ³ ; Sd |
| MAGNESIUM OXIDE 1309-48-4 | TWA: 10 mg/m ³ ; fume | TWA: 10 mg/m ³ ; fume, inhalable TWA: 3 mg/m ³ ; respirable dust and fume STEL: 10 mg/m ³ ; respirable dust and fume | TWA: 10 mg/m ³ ; inhalable particulate matter | TWAEV: 10 mg/m ³ ; inhalable dust |

| Chemical name | Manitoba | New Brunswick | Newfoundland and Labrador | Nova Scotia |
|-----------------------------------|--|---|--|--|
| METHYL ETHYL KETONE (BUTANONE) | TWA: 75 ppm; STEL: 150 ppm; pSk | TWA: 200 ppm; STEL: 300 ppm; | TWA: 75 ppm; STEL: 150 ppm; pSk | TWA: 75 ppm; STEL: 150 ppm; pSk |
| ACETONE | TWA: 250 ppm; STEL: 500 ppm; | TWA: 250 ppm; STEL: 500 ppm; | TWA: 250 ppm; STEL: 500 ppm; | TWA: 250 ppm; STEL: 500 ppm; |
| TOLUENE | TWA: 20 ppm; | TWA: 20 ppm; | TWA: 20 ppm; | TWA: 20 ppm; |
| N-HEXANE | TWA: 50 ppm; pSk | TWA: 50 ppm; pSk | TWA: 50 ppm; pSk | TWA: 50 ppm; pSk |
| MAGNESIUM OXIDE | TWA: 10 mg/m ³ ; inhalable particulate matter | TWA: 10 mg/m ³ ; inhalable fraction | TWA: 10 mg/m ³ ; inhalable particulate matter | TWA: 10 mg/m ³ ; inhalable particulate matter |

| Chemical name | Nunavut | Prince Edward Island | Saskatchewan | Yukon |
|-----------------------------------|-------------------------------------|---------------------------------|--------------------------------------|--|
| METHYL ETHYL KETONE (BUTANONE) | TWA: 200 ppm; STEL: 300 ppm; | TWA: 75 ppm; STEL: 150 ppm; | TWA: 200 ppm; STEL: 300 ppm; | TWA: 200 ppm; TWA: 590 mg/m ³ ; STEL: 250 ppm; STEL: 740 mg/m ³ ; |
| ACETONE | TWA: 500 ppm; STEL: 750 ppm; | TWA: 250 ppm; STEL: 500 ppm; | TWA: 500 ppm; STEL: 750 ppm; | TWA: 1000 ppm; TWA: 2400 mg/m ³ ; STEL: 1250 ppm; STEL: 3000 mg/m ³ ; |
| TOLUENE | TWA: 50 ppm; STEL: 60 ppm; Sk | TWA: 20 ppm; | TWA: 50 ppm; STEL: 60 ppm; pSd | TWA: 100 ppm; TWA: 375 mg/m ³ ; STEL: 150 ppm; |

| Chemical name | Nunavut | Prince Edward Island | Saskatchewan | Yukon |
|-----------------|---|--|---|--|
| | | | | STEL: 560 mg/m ³ ; Sk |
| N-HEXANE | TWA: 50 ppm; STEL: 62.5 ppm; Sk | TWA: 50 ppm; | TWA: 50 ppm; STEL: 62.5 ppm; pSd | TWA: 100 ppm; TWA: 360 mg/m ³ ; STEL: 125 ppm; STEL: 450 mg/m ³ ; |
| MAGNESIUM OXIDE | TWA: 10 mg/m ³ ; inhalable fraction STEL: 20 mg/m ³ ; inhalable fraction | TWA: 10 mg/m ³ ; inhalable particulate matter | TWA: 10 mg/m ³ ; inhalable fraction STEL: 20 mg/m ³ ; inhalable fraction | TWA: 10 mg/m ³ ; fume STEL: 10 mg/m ³ ; fume |
| SILICON DIOXIDE | | | | TWA: 300 particle/mL; TWA: 20 mppcf; TWA: 2 mg/m ³ ; respirable mass |

| Chemical name | ACGIH |
|---|--|
| METHYL ETHYL KETONE (BUTANONE) 78-93-3 | 2 mg/L - urine (MEK) - end of shift |
| ACETONE 67-64-1 | 25 mg/L - urine (Acetone) - end of shift |
| TOLUENE 108-88-3 | 0.02 mg/L - blood (Toluene) - prior to last shift of workweek 0.03 mg/L - urine (Toluene) - end of shift 0.3 mg/g creatinine - urine (o-Cresol with hydrolysis) - end of shift |
| N-HEXANE 110-54-3 | 0.5 mg/L - urine (2,5-Hexanedione without hydrolysis) - end of shift |

Appropriate engineering controls

| | |
|-----------------------------|---|
| Engineering controls | Showers Eyewash stations Ventilation systems. |
|-----------------------------|---|

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------------|--|
| Eye/face protection | Wear safety glasses with side shields (or goggles). Tight sealing safety goggles. |
| Hand protection | Wear suitable gloves. |
| Skin and body protection | Wear suitable protective clothing. Long sleeved clothing. Antistatic boots. Chemical resistant apron. Wear fire/flammable resistant/retardant clothing. |
| Respiratory protection | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Use appropriate respiratory protection. |
| General hygiene considerations | Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing. |

9. Physical and chemical properties**Information on basic physical and chemical properties**

| | |
|-----------------------|----------------|
| Physical state | Liquid |
| Appearance | Viscous Liquid |

Color Yellow
Odor Solvent
Odor threshold No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------|---------------------------|-------------------------|
| pH | No data available | |
| Melting point / freezing point | No data available | |
| Boiling point / boiling range | 55 °C / 131 °F | |
| Flash point | -26 °C / -14.8 °F | |
| Evaporation rate | Not applicable | |
| Flammability (solid, gas) | No data available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | 13.0% | |
| Lower flammability limit: | 1.2% | |
| Vapor pressure | 233 hPa @ 20°C (175 mmHg) | |
| Vapor density | >1 | Air = 1 |
| Relative density | 0.889 | |
| Water solubility | Immiscible in water | |
| Solubility(ies) | No data available | |
| Partition coefficient | No data available | |
| Autoignition temperature | 240°C (464°F) | |
| Decomposition temperature | No data available | |
| Kinematic viscosity | No data available | |
| Dynamic viscosity | No data available | |
| Particle characteristics | | |
| Particle Size | No data available | |
| Particle Size Distribution | No data available | |
| <u>Other information</u> | | |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |
| Softening point | No information available | |
| Molecular weight | No information available | |
| VOC content | 69% | |
| Density | No information available | |
| Bulk density | No information available | |

10. Stability and reactivity

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Heat, flames and sparks.

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness.

Eye contact Specific test data for the substance or mixture is not available. May cause irritation. Causes

serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact

Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

Ingestion

Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms**

Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity**Numerical measures of toxicity****The following ATE values have been calculated for the mixture**

| | |
|-------------------------------|----------------|
| ATEmix (oral) | 4,752.20 mg/kg |
| ATEmix (dermal) | 7,343.10 mg/kg |
| ATEmix (inhalation-gas) | 99,999.00 ppm |
| ATEmix (inhalation-vapor) | 76.60 mg/l |
| ATEmix (inhalation-dust/mist) | 29.11 mg/l |

12 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

14.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

85 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

51 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

48.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|--|--------------------------|---------------------------------------|
| METHYL ETHYL KETONE (BUTANONE) 78-93-3 | = 2483 mg/kg (Rat) | = 5000 mg/kg (Rabbit) | = 11700 ppm (Rat) 4 h |
| ACETONE 67-64-1 | = 5800 mg/kg (Rat) | > 15700 mg/kg (Rabbit) | = 50100 mg/m ³ (Rat) 8 h |
| TOLUENE 108-88-3 | = 2600 mg/kg (Rat) | = 12000 mg/kg (Rabbit) | = 12.5 mg/L (Rat) 4 h |
| N-HEXANE 110-54-3 | = 25 g/kg (Rat) | = 3000 mg/kg (Rabbit) | = 48000 ppm (Rat) 4 h |
| MAGNESIUM OXIDE 1309-48-4 | = 3990 mg/kg (Rat) = 3870 mg/kg (Rat) | - | - |
| SILICON DIOXIDE 7631-86-9 | = 7900 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | > 5.01 mg/L (Rat) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Skin corrosion/irritation**

Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation

Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity No information available.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|------------------------------|---|---|-----|------|
| ACETONE 67-64-1 | A4 - Not Classifiable as a Human Carcinogen | - | - | - |
| TOLUENE 108-88-3 | A4 - Not Classifiable as a Human Carcinogen | Group 3 - Unclassifiable as to carcinogenicity in humans | - | - |
| MAGNESIUM OXIDE 1309-48-4 | A4 - Not Classifiable as a Human Carcinogen | - | - | - |
| SILICON DIOXIDE 7631-86-9 | - | Group 3 - Unclassifiable as to carcinogenicity in humans | - | - |

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.**STOT - single exposure** May cause drowsiness or dizziness.**STOT - repeated exposure** Causes damage to organs through prolonged or repeated exposure.**Aspiration hazard** May be fatal if swallowed and enters airways.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--|---|---|----------------------------|---|
| METHYL ETHYL KETONE (BUTANONE) 78-93-3 | - | LC50: 3130 - 3320mg/L (96h, Pimephales promelas) | - | EC50: >520mg/L (48h, Daphnia magna) EC50: =5091mg/L (48h, Daphnia magna) EC50: 4025 - 6440mg/L (48h, Daphnia magna) |
| ACETONE 67-64-1 | - | LC50: 4.74 - 6.33mL/L (96h, Oncorhynchus mykiss) LC50: 6210 - 8120mg/L (96h, Pimephales promelas) LC50: =8300mg/L (96h, Lepomis macrochirus) | - | EC50: 10294 - 17704mg/L (48h, Daphnia magna) EC50: 12600 - 12700mg/L (48h, Daphnia magna) |
| TOLUENE 108-88-3 | EC50: >433mg/L (96h, Pseudokirchneriella subcapitata) EC50: =12.5mg/L (72h, Pseudokirchneriella subcapitata) | LC50: 15.22 - 19.05mg/L (96h, Pimephales promelas) LC50: =12.6mg/L (96h, Pimephales promelas) LC50: 5.89 - 7.81mg/L (96h, Oncorhynchus mykiss) LC50: 14.1 - 17.16mg/L (96h, Oncorhynchus mykiss) LC50: =5.8mg/L (96h, | - | EC50: 5.46 - 9.83mg/L (48h, Daphnia magna) EC50: =11.5mg/L (48h, Daphnia magna) |

| | | | | |
|------------------------------|---|--|---|--|
| | | Oncorhynchus mykiss) LC50: 11.0 - 15.0mg/L (96h, Lepomis macrochirus) LC50: =54mg/L (96h, Oryzias latipes) LC50: =28.2mg/L (96h, Poecilia reticulata) LC50: 50.87 - 70.34mg/L (96h, Poecilia reticulata) | | |
| N-HEXANE 110-54-3 | - | LC50: 2.1 - 2.98mg/L (96h, Pimephales promelas) | - | - |
| SILICON DIOXIDE 7631-86-9 | EC50: =440mg/L (72h, Pseudokirchneriella subcapitata) | LC50: =5000mg/L (96h, Brachydanio rerio) | - | EC50: =7600mg/L (48h, Ceriodaphnia dubia) |

Persistence and degradability No information available.

Bioaccumulation There is no data for this product.

| Chemical name | Partition coefficient |
|---|-----------------------|
| METHYL ETHYL KETONE (BUTANONE) 78-93-3 | 0.3 |
| ACETONE 67-64-1 | -0.24 |
| TOLUENE 108-88-3 | 3.93 |
| N-HEXANE 110-54-3 | 4 |

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

US EPA Waste Number Waste designations and classifications should be determined by the end user based on the application for which the product was used.

14. Transport information

DOT

| | |
|----------------------------|-----------|
| UN number or ID number | UN1133 |
| Proper shipping name | Adhesives |
| Transport hazard class(es) | 3 |
| Packing group | II |
| DOT Marine Pollutant | P |
| Marine pollutant | N-HEXANE. |

| | |
|---------------------------------|---|
| Description | UN1133, Adhesives, 3, II, Limited Quantity (LQ) |
| Special Provisions | 149, B52, IB2, T4, TP1, TP8 |
| Emergency Response Guide Number | 128 |

TDG

| | |
|----------------------------|--------------------------|
| UN number or ID number | UN1133 |
| UN proper shipping name | Adhesives |
| Transport hazard class(es) | 3 |
| Packing group | II |
| Description | UN1133, Adhesives, 3, II |

MEX

| | |
|----------------------------|--------------------------|
| UN number or ID number | UN1133 |
| UN proper shipping name | Adhesives |
| Transport hazard class(es) | 3 |
| Packing group | II |
| Description | UN1133, Adhesives, 3, II |

ICAO (air)

| | |
|----------------------------|--------------------------|
| UN number or ID number | UN1133 |
| UN proper shipping name | Adhesives |
| Transport hazard class(es) | 3 |
| Packing group | II |
| Description | UN1133, Adhesives, 3, II |
| Special Provisions | A3 |

IATA

| | |
|----------------------------|--------------------------|
| UN number or ID number | UN1133 |
| UN proper shipping name | Adhesives |
| Transport hazard class(es) | 3 |
| Packing group | II |
| ERG Code | 3L |
| Special Provisions | A3 |
| Description | UN1133, Adhesives, 3, II |

IMDG

| | |
|----------------------------|--|
| UN number or ID number | UN1133 |
| UN proper shipping name | Adhesives |
| Transport hazard class(es) | 3 |
| Packing group | II |
| EmS-No. | F-E, S-D |
| Description | UN1133, Adhesives, 3, II, (-26°C c.c.) |

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

| | |
|---------------|----------|
| TSCA | Complies |
| DSL/NDL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |

| | |
|-------|----------------|
| IECSC | Complies |
| KECI | Complies |
| PICCS | Complies |
| AICS | Not determined |
| NZIoC | Complies |

Legend:**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing Chemicals Inventory**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**NZIoC** - New Zealand Inventory of Chemicals**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name | SARA 313 - Threshold Values % |
|---------------------|-------------------------------|
| TOLUENE - 108-88-3 | 1.0 |
| N-HEXANE - 110-54-3 | 1.0 |

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| TOLUENE 108-88-3 | 1000 lb | X | X | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | Reportable Quantity (RQ) |
|--|---|------------------------------------|---|
| METHYL ETHYL KETONE (BUTANONE) 78-93-3 | 5000 lb / kg (final RQ) | - | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| ACETONE 67-64-1 | 5000 lb / kg (final RQ) | - | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| TOLUENE 108-88-3 | 1000 lb / 1 lb / kg (final RQ) kg (final RQ) | - | RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ |
| N-HEXANE 110-54-3 | 5000 lb / kg (final RQ) | - | RQ 5000 lb final RQ RQ 2270 kg final RQ |

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Chemical name | California Proposition 65 |
|---------------------|---------------------------|
| TOLUENE - 108-88-3 | Developmental |
| N-HEXANE - 110-54-3 | Developmental |

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| ACETONE 67-64-1 | X | X | X |
| METHYL ETHYL KETONE (BUTANONE) 78-93-3 | X | X | X |
| TOLUENE 108-88-3 | X | X | X |
| N-HEXANE 110-54-3 | X | X | X |
| MAGNESIUM OXIDE 1309-48-4 | X | X | X |
| SILICON DIOXIDE 7631-86-9 | - | X | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA Health hazards 2 Flammability 3 Instability 0 Special hazards -
HMIS Health hazards 3 * Flammability 3 Physical hazards 0 Personal protection X
Chronic Hazard Star Legend * = Chronic Health Hazard

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend**

SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
Ceiling Maximum limit value * Skin designation
+ Sensitizers

Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

Revision Date 02-Jun-2025

Revision Note No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.