



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** 80 SUPER WEATHERSTRIP ADHESIVE 5 FL.OZ

### Other means of identification

**Product Code** 81731

**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**

<b>Symptoms</b>	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.
<b>Effects of Exposure</b>	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**

<b>Note to physicians</b>	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.
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## 5. Fire-fighting measures

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the chemical</b>	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.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	Yes.
<b>Special protective equipment and precautions for fire-fighters</b>	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**

<b>Personal precautions</b>	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.
<b>Other information</b>	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	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.
<b>Methods for cleaning up</b>	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 <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m <sup>3</sup> (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m <sup>3</sup>	TWA: 200 ppm; TWA: 590 mg/m <sup>3</sup> ; STEL: 300 ppm STEL: 885 mg/m <sup>3</sup> IDLH: 3000 ppm
ACETONE 67-64-1	TWA: 250 ppm STEL: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> 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 <sup>3</sup> ; IDLH: 2500 ppm
TOLUENE 108-88-3	TWA: 20 ppm pOt	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	TWA: 100 ppm; TWA: 375 mg/m <sup>3</sup> ; STEL: 150 ppm STEL: 560 mg/m <sup>3</sup> IDLH: 500 ppm
N-HEXANE 110-54-3	TWA: 50 ppm pSk	TWA: 500 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m <sup>3</sup>	TWA: 50 ppm; TWA: 180 mg/m <sup>3</sup> ; IDLH: 1100 ppm
MAGNESIUM OXIDE	TWA: 10 mg/m <sup>3</sup> inhalable	TWA: 15 mg/m <sup>3</sup> fume, total	IDLH: 750 mg/m <sup>3</sup> fume

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

Chemical name	Alberta	British Columbia	Ontario	Quebec
METHYL ETHYL KETONE (BUTANONE) 78-93-3	TWA: 200 ppm; TWA: 590 mg/m <sup>3</sup> ; STEL: 300 ppm; STEL: 885 mg/m <sup>3</sup> ;	TWA: 50 ppm; STEL: 100 ppm; Adverse reproductive effect Sk	TWA: 200 ppm; STEL: 300 ppm;	TWAEV: 50 ppm; TWAEV: 150 mg/m <sup>3</sup> ; STEV: 100 ppm; STEV: 300 mg/m <sup>3</sup> ;
ACETONE 67-64-1	TWA: 500 ppm; TWA: 1200 mg/m <sup>3</sup> ; STEL: 750 ppm; STEL: 1800 mg/m <sup>3</sup> ;	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 <sup>3</sup> ; 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 <sup>3</sup> ; pSk	TWA: 20 ppm; Sk	TWA: 50 ppm; dSk	TWAEV: 50 ppm; TWAEV: 176 mg/m <sup>3</sup> ; Sd
MAGNESIUM OXIDE 1309-48-4	TWA: 10 mg/m <sup>3</sup> ; fume	TWA: 10 mg/m <sup>3</sup> ; fume, inhalable TWA: 3 mg/m <sup>3</sup> ; respirable dust and fume STEL: 10 mg/m <sup>3</sup> ; respirable dust and fume	TWA: 10 mg/m <sup>3</sup> ; inhalable particulate matter	TWAEV: 10 mg/m <sup>3</sup> ; 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 <sup>3</sup> ; inhalable particulate matter	TWA: 10 mg/m <sup>3</sup> ; inhalable fraction	TWA: 10 mg/m <sup>3</sup> ; inhalable particulate matter	TWA: 10 mg/m <sup>3</sup> ; 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 <sup>3</sup> ; STEL: 250 ppm; STEL: 740 mg/m <sup>3</sup> ;
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 <sup>3</sup> ; STEL: 1250 ppm; STEL: 3000 mg/m <sup>3</sup> ;
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 <sup>3</sup> ; STEL: 150 ppm;

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
				STEL: 560 mg/m <sup>3</sup> ; 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 <sup>3</sup> ; STEL: 125 ppm; STEL: 450 mg/m <sup>3</sup> ;
MAGNESIUM OXIDE	TWA: 10 mg/m <sup>3</sup> ; inhalable fraction STEL: 20 mg/m <sup>3</sup> ; inhalable fraction	TWA: 10 mg/m <sup>3</sup> ; inhalable particulate matter	TWA: 10 mg/m <sup>3</sup> ; inhalable fraction STEL: 20 mg/m <sup>3</sup> ; inhalable fraction	TWA: 10 mg/m <sup>3</sup> ; fume STEL: 10 mg/m <sup>3</sup> ; fume
SILICON DIOXIDE				TWA: 300 particle/mL; TWA: 20 mppcf; TWA: 2 mg/m <sup>3</sup> ; 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 <sup>3</sup> ( Rat ) 8 h
TOLUENE 108-88-3	= 5000 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.**