



# SAFETY DATA SHEET

Revision Date 15-Dec-2015

Version 2

## 1. IDENTIFICATION

### Product identifier

**Product Name** 81844 REARVIEW MIRROR ADHESIVE KIT PART 1

### Other means of identification

**Product Code** PTX194319X

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Adhesive

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ITW Permatex  
6875 Parkland Blvd.  
Solon, OH 44139 USA

#### Distributor

ITW Permatex Canada  
35 Brownridge Road, Unit 1  
Halton Hills, ON Canada L7G 0C6  
Telephone: (800) 924-6994

**Company Phone Number** 1-87-Permatex  
(877) 376-2839

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

**E-mail address** mail@permatex.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.**

|                                                    |                           |
|----------------------------------------------------|---------------------------|
| Skin corrosion/irritation                          | Category 2 Sub-category B |
| Serious eye damage/eye irritation                  | Category 2A               |
| Skin sensitization                                 | Category 1                |
| Specific target organ toxicity (repeated exposure) | Category 2                |

### Label elements

#### **Emergency Overview**

#### **Warning**

Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
May cause damage to organs through prolonged or repeated exposure



**Appearance** Yellow

**Physical state** Liquid

**Odor** Irritating

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Contaminated work clothing should not be allowed out of the workplace

**Precautionary Statements - Response**

Call a POISON CENTER or doctor/physician if you feel unwell  
Specific treatment (see supplemental first aid instructions on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

- Not applicable

Unknown acute toxicity

46.49 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**substance(s)**

| Chemical Name                             | CAS No     | Weight-% | Trade Secret |
|-------------------------------------------|------------|----------|--------------|
| POLYURETHANE METHACRYLATE RESIN (MIXTURE) | —          | 30 - 60  | *            |
| HYDROXYALKYL METHACRYLATE                 | 27813-02-1 | 15 - 40  | *            |
| ALIPHATIC URETHANE METHACRYLATE           | 3290-92-4  | 5 - 10   | *            |
| ACRYLIC ACID                              | 79-10-7    | 3 - 7    | *            |
| DIMETHYLBENZYL HYDROPEROXIDE              | 80-15-9    | 1 - 5    | *            |
| SACCHARIN                                 | 81-07-2    | 1 - 5    | *            |
| 2-HYDROXYETHYL METHACRYLATE               | 868-77-9   | 1 - 5    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

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**Description of first aid measures**

|                                           |                                                                                                                                                                                                                             |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Get medical advice/attention if you feel unwell.                                                                                                                                                                            |
| <b>Eye contact</b>                        | 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/attention.                                  |
| <b>Skin contact</b>                       | IF ON SKIN: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| <b>Inhalation</b>                         | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.                                                                                     |
| <b>Ingestion</b>                          | IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.                                                                                                              |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required.                                                                                                                                                                              |

**Most important symptoms and effects, both acute and delayed**

|                 |                                     |
|-----------------|-------------------------------------|
| <b>Symptoms</b> | See section 2 for more information. |
|-----------------|-------------------------------------|

**Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

|                                  |
|----------------------------------|
| <b>5. FIRE-FIGHTING MEASURES</b> |
|----------------------------------|

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam

**Unsuitable extinguishing media**

None.

**Specific hazards arising from the chemical**

None in particular.

**Explosion data**

|                                         |       |
|-----------------------------------------|-------|
| <b>Sensitivity to Mechanical Impact</b> | None. |
| <b>Sensitivity to Static Discharge</b>  | None. |

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

|                                       |
|---------------------------------------|
| <b>6. ACCIDENTAL RELEASE MEASURES</b> |
|---------------------------------------|

**Personal precautions, protective equipment and emergency procedures**

|                             |                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Use personal protective equipment as required. |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|

**Environmental precautions**

|                                  |                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions</b> | Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information. |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|

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

|                                 |                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Methods for containment         | Prevent further leakage or spillage if safe to do so.                                                                          |
| Methods for cleaning up         | Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. |
| 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 | Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Conditions for safe storage, including any incompatibilities

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| Storage Conditions     | Keep containers tightly closed in a dry, cool and well-ventilated place. |
| Incompatible materials | Strong oxidizing agents, Strong bases                                    |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name           | ACGIH TLV        | OSHA PEL                                                                     | NIOSH IDLH                             |
|-------------------------|------------------|------------------------------------------------------------------------------|----------------------------------------|
| ACRYLIC ACID<br>79-10-7 | TWA: 2 ppm<br>S* | (vacated) TWA: 10 ppm<br>(vacated) TWA: 30 mg/m <sup>3</sup><br>(vacated) S* | TWA: 2 ppm<br>TWA: 6 mg/m <sup>3</sup> |

NIOSH IDLH Immediately Dangerous to Life or Health

|                   |                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------|
| Other Information | Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). |
|-------------------|-------------------------------------------------------------------------------------------------------------|

### Appropriate engineering controls

|                      |                                                    |
|----------------------|----------------------------------------------------|
| Engineering Controls | Showers<br>Eyewash stations<br>Ventilation systems |
|----------------------|----------------------------------------------------|

### Individual protection measures, such as personal protective equipment

|                                |                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------|
| Eye/face protection            | Wear safety glasses with side shields (or goggles).                                                          |
| Skin and body protection       | Wear protective gloves and protective clothing.                                                              |
| Respiratory protection         | Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.        |
| General Hygiene Considerations | When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                |                          |
|----------------|--------------------------|
| Physical state | Liquid                   |
| Appearance     | Yellow                   |
| Odor           | Irritating               |
| Odor threshold | No information available |

| <u>Property</u>                | <u>Values</u>            | <u>Remarks • Method</u> |
|--------------------------------|--------------------------|-------------------------|
| pH                             | No information available |                         |
| Melting point / freezing point | No information available |                         |
| Boiling point / boiling range  | > 149 °C / >300 °F       |                         |
| Flash point                    | > 93 °C / > 200 °F       | Cleveland Open Cup      |
| Evaporation rate               | < 1                      | Butyl acetate = 1       |
| Flammability (solid, gas)      | No information available |                         |
| Flammability Limit in Air      |                          |                         |
| Upper flammability limit:      | No information available |                         |
| Lower flammability limit:      | No information available |                         |
| Vapor pressure                 | <5 mmHg @ 75°F           |                         |
| Vapor density                  | >1                       | Air = 1                 |
| Relative density               | 1.1 @ 80°F               |                         |
| Water solubility               | Insoluble                |                         |
| Solubility in other solvents   | No information available |                         |
| Partition coefficient          | No information available |                         |
| Autoignition temperature       | No information available |                         |
| Decomposition temperature      | No information available |                         |
| Kinematic viscosity            | No information available |                         |
| Dynamic viscosity              | No information available |                         |
| Explosive properties           | No information available |                         |
| Oxidizing properties           | No information available |                         |

#### Other Information

|                  |                          |
|------------------|--------------------------|
| Softening point  | No information available |
| Molecular weight | No information available |
| VOC Content (%)  | 5.3%                     |
| Density          | No information available |
| Bulk density     | No information available |

### 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

#### Chemical stability

Stable under recommended storage conditions

#### Possibility of Hazardous Reactions

None under normal processing.

#### Conditions to avoid

Excessive heat.

#### Incompatible materials

Strong oxidizing agents, Strong bases

#### Hazardous Decomposition Products

Carbon oxides

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

|              |                                                                                       |
|--------------|---------------------------------------------------------------------------------------|
| Inhalation   | May be harmful if inhaled.                                                            |
| Eye contact  | Irritating to eyes. May cause redness and tearing of the eyes.                        |
| Skin contact | May cause skin irritation and/or dermatitis. May cause sensitization by skin contact. |

**Ingestion**

Ingestion may cause irritation to mucous membranes.

| Chemical Name                                   | Oral LD50                                 | Dermal LD50                                   | Inhalation LC50                                |
|-------------------------------------------------|-------------------------------------------|-----------------------------------------------|------------------------------------------------|
| HYDROXYALKYL<br>METHACRYLATE<br>27813-02-1      | = 11200 mg/kg ( Rat )                     | > 3000 mg/kg ( Rabbit )                       | -                                              |
| ALIPHATIC URETHANE<br>METHACRYLATE<br>3290-92-4 | = 5660 µL/kg ( Rat )                      | = 16 mL/kg ( Rabbit )                         | -                                              |
| ACRYLIC ACID<br>79-10-7                         | = 193 mg/kg ( Rat ) = 33500 µg/kg ( Rat ) | = 280 µL/kg ( Rabbit ) = 295 mg/kg ( Rabbit ) | = 11.1 mg/L ( Rat ) 1 h = 3.6 mg/L ( Rat ) 4 h |
| DIMETHYLBENZYL<br>HYDROPEROXIDE<br>80-15-9      | = 382 mg/kg ( Rat )                       | = 0.126 mL/kg ( Rabbit )                      | = 220 ppm ( Rat ) 4 h                          |
| 2-HYDROXYETHYL<br>METHACRYLATE<br>868-77-9      | = 5050 mg/kg ( Rat )                      | > 3000 mg/kg ( Rabbit )                       | -                                              |

**Information on toxicological effects**

**Symptoms**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name           | ACGIH | IARC    | NTP | OSHA |
|-------------------------|-------|---------|-----|------|
| ACRYLIC ACID<br>79-10-7 | -     | Group 3 | -   | -    |
| SACCHARIN<br>81-07-2    | -     | Group 3 | -   | -    |

**IARC (International Agency for Research on Cancer)**

Not classifiable as a human carcinogen

**Target Organ Effects**

Eyes, Respiratory system, Skin.

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 2504 mg/kg

ATEmix (dermal) 2750 mg/kg

ATEmix (inhalation-dust/mist) 6.4 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

80.99 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                                   | Algae/aquatic plants                                                                              | Fish                                                                                                                    | Crustacea                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| HYDROXYALKYL<br>METHACRYLATE<br>27813-02-1      | -                                                                                                 | 493: 48 h Leuciscus idus melanotus mg/L LC50 static                                                                     | -                                                                         |
| ALIPHATIC URETHANE<br>METHACRYLATE<br>3290-92-4 | -                                                                                                 | 144: 96 h Oncorhynchus mykiss mg/L LC50 160: 96 h Pimephales promelas mg/L LC50 112: 96 h Lepomis macrochirus mg/L LC50 | -                                                                         |
| ACRYLIC ACID<br>79-10-7                         | 0.17: 96 h Pseudokirchneriella subcapitata mg/L EC50 0.04: 72 h Desmodesmus subspicatus mg/L EC50 | 222: 96 h Brachydanio rerio mg/L LC50 semi-static                                                                       | 95: 48 h Daphnia magna mg/L EC50 270: 24 h Daphnia magna mg/L LC50 Static |
| DIMETHYLBENZYL<br>HYDROPEROXIDE<br>80-15-9      | -                                                                                                 | 3.9: 96 h Oncorhynchus mykiss mg/L LC50 static                                                                          | 7: 24 h Daphnia magna mg/L EC50                                           |
| SACCHARIN<br>81-07-2                            | -                                                                                                 | 18300: 96 h Pimephales promelas mg/L LC50                                                                               | -                                                                         |

|                                            |   |                                                                                                             |   |
|--------------------------------------------|---|-------------------------------------------------------------------------------------------------------------|---|
| 2-HYDROXYETHYL<br>METHACRYLATE<br>868-77-9 | - | 213 - 242: 96 h Pimephales<br>promelas mg/L LC50 flow-through<br>227: 96 h Pimephales promelas<br>mg/L LC50 | - |
|--------------------------------------------|---|-------------------------------------------------------------------------------------------------------------|---|

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

| Chemical Name                           | Partition coefficient |
|-----------------------------------------|-----------------------|
| HYDROXYALKYL METHACRYLATE<br>27813-02-1 | 0.97                  |
| ACRYLIC ACID<br>79-10-7                 | 0.38 - 0.46           |
| 2-HYDROXYETHYL METHACRYLATE<br>868-77-9 | 0.47                  |

**Other adverse effects**

No information available

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** Not applicable

| Chemical Name                              | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|--------------------------------------------|------|--------------------------|------------------------|------------------------|
| ACRYLIC ACID<br>79-10-7                    | -    | -                        | -                      | U008                   |
| DIMETHYLBENZYL<br>HYDROPEROXIDE<br>80-15-9 | -    | -                        | -                      | U096                   |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                           | California Hazardous Waste Status |
|-----------------------------------------|-----------------------------------|
| DIMETHYLBENZYL HYDROPEROXIDE<br>80-15-9 | Toxic<br>Ignitable                |

### 14. TRANSPORT INFORMATION

**DOT**

Proper shipping name: Not regulated

**IATA**

Proper shipping name: Not regulated

**IMDG**

Proper shipping name: Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

|               |             |
|---------------|-------------|
| TSCA          | Complies    |
| DSL/NDL       | Complies    |
| EINECS/ELINCS | Not Listed. |
| ENCS          | Complies    |
| IECSC         | Complies    |
| KECL          | Complies    |
| PICCS         | Complies    |
| AICS          | 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 and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

### 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 % |
|----------------------------------------|-------------------------------|
| ACRYLIC ACID - 79-10-7                 | 1.0                           |
| DIMETHYLBENZYL HYDROPEROXIDE - 80-15-9 | 1.0                           |
| SACCHARIN - 81-07-2                    | 1.0                           |

#### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### 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 | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|--------------------------------------------|--------------------------|----------------|--------------------------------------------|
| ACRYLIC ACID<br>79-10-7                    | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| DIMETHYLBENZYL<br>HYDROPEROXIDE<br>80-15-9 | 10 lb                    | -              | RQ 10 lb final RQ<br>RQ 4.54 kg final RQ   |

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
|---------------|------------|---------------|--------------|

|                                            |   |   |   |
|--------------------------------------------|---|---|---|
| ACRYLIC ACID<br>79-10-7                    | X | X | X |
| DIMETHYLBENZYL<br>HYDROPEROXIDE<br>80-15-9 | X | X | X |
| SACCHARIN<br>81-07-2                       | X | X | X |
| PROPYLENE GLYCOL<br>57-55-6                | X | - | X |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**WHMIS Hazard Class**

D2B - Toxic materials

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

**NFPA**

Health hazards 2

Flammability 1

Instability 0

-

**HMIS**

Health hazards 2

Flammability 1

Physical hazards 0

Personal protection B

NFPA (National Fire Protection Association)

HMIS (Hazardous Material Information System)

Revision Date

15-Dec-2015

**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.

End of Safety Data Sheet





# SAFETY DATA SHEET

Revision Date 15-Dec-2015

Version 5

## 1. IDENTIFICATION

### Product identifier

**Product Name** 81844 REARVIEW MIRROR ADHESIVE KIT PART 2

### Other means of identification

**Product Code** PTX394319X

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Activator

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ITW Permatex  
6875 Parkland Blvd.  
Solon, OH 44139 USA

#### Distributor

ITW Permatex Canada  
35 Brownridge Road, Unit 1  
Halton Hills, ON Canada L7G 0C6  
Telephone: (800) 924-6994

**Company Phone Number** 1-87-Permatex

(877) 376-2839

**24 Hour Emergency Phone Number** Chem-Tel: 800-255-3924

International Emergency:

00+1+ 813-248-0585

Contract Number: MIS0003453

**E-mail address** mail@permatex.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.**

|                                                    |            |
|----------------------------------------------------|------------|
| Acute toxicity - Oral                              | Category 4 |
| Serious eye damage/eye irritation                  | Category 2 |
| Specific target organ toxicity (single exposure)   | Category 3 |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Flammable liquids                                  | Category 2 |

### Label elements

#### **Emergency Overview**

#### **Danger**

Harmful if swallowed  
Causes serious eye irritation  
May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure  
Highly flammable liquid and vapor



**Appearance** Green

**Physical state** Liquid

**Odor** Alcoholic

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear eye/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

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/attention  
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 SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
Rinse mouth  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

- The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

Unknown acute toxicity

1.88 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**substance(s)**

| Chemical Name | CAS No | Weight-% | Trade Secret |
|---------------|--------|----------|--------------|
|---------------|--------|----------|--------------|

|                 |           |          |   |
|-----------------|-----------|----------|---|
| 2-PROPANOL      | 67-63-0   | 60 - 100 | * |
| MINERAL SPIRITS | 8052-41-3 | 1 - 5    | * |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

|                                           |                                                                                                                                                                                            |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Get medical advice/attention if you feel unwell.                                                                                                                                           |
| <b>Eye contact</b>                        | 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/attention. |
| <b>Skin contact</b>                       | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If symptoms persist, call a physician. Wash contaminated clothing before reuse. |
| <b>Inhalation</b>                         | Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.                                            |
| <b>Ingestion</b>                          | IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.                                                                             |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.                                                                                                  |

##### Most important symptoms and effects, both acute and delayed

**Symptoms** See section 2 for more information.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam

##### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

##### Specific hazards arising from the chemical

Flammable. May be ignited by heat, sparks or flames.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wear protective gloves/protective clothing and eye/face protection. Wash thoroughly after handling. Remove all sources of ignition.

### Environmental precautions

**Environmental precautions** Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

**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** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials** Strong oxidizing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name                | ACGIH TLV                     | OSHA PEL                                                                                                                                                                          | NIOSH IDLH                                                                                                    |
|------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 2-PROPANOL<br>67-63-0        | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup> | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |
| MINERAL SPIRITS<br>8052-41-3 | TWA: 100 ppm                  | TWA: 500 ppm<br>TWA: 2900 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 525 mg/m <sup>3</sup>                                                                     | IDLH: 20000 mg/m <sup>3</sup><br>Ceiling: 1800 mg/m <sup>3</sup> 15 min<br>TWA: 350 mg/m <sup>3</sup>         |

NIOSH IDLH Immediately Dangerous to Life or Health

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### 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).

**Skin and body protection** Wear protective gloves and protective clothing.

|                                       |                                                                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory protection</b>         | Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.                                        |
| <b>General Hygiene Considerations</b> | Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | Green                    |
| <b>Odor</b>           | Alcoholic                |
| <b>Odor threshold</b> | No information available |

| <u>Property</u>                | <u>Values</u>            | <u>Remarks • Method</u> |
|--------------------------------|--------------------------|-------------------------|
| pH                             | No information available |                         |
| Melting point / freezing point | No information available |                         |
| Boiling point / boiling range  | 82 °C / 180 °F           |                         |
| Flash point                    | 12 °C / 54 °F            | Tag Closed Cup          |
| Evaporation rate               | 7.7                      | Butyl acetate = 1       |
| Flammability (solid, gas)      | No information available |                         |
| Flammability Limit in Air      |                          |                         |
| Upper flammability limit:      | 12.0%                    |                         |
| Lower flammability limit:      | 2.0%                     |                         |
| Vapor pressure                 | 32 mm Hg @ 68°F          |                         |
| Vapor density                  | 2.1                      | Air = 1                 |
| Relative density               | 0.79 @ 77°F              |                         |
| Water solubility               | Soluble in water         |                         |
| Solubility in other solvents   | No information available |                         |
| Partition coefficient          | No information available |                         |
| Autoignition temperature       | No information available |                         |
| Decomposition temperature      | No information available |                         |
| Kinematic viscosity            | No information available |                         |
| Dynamic viscosity              | No information available |                         |
| Explosive properties           | No information available |                         |
| Oxidizing properties           | No information available |                         |

### Other Information

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | 96.5%                    |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Heat, flames and sparks. Take precautionary measures against static discharges.

**Incompatible materials**

Strong oxidizing agents

**Hazardous Decomposition Products**

Carbon oxides

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

|                     |                                              |
|---------------------|----------------------------------------------|
| <b>Inhalation</b>   | May be harmful by inhalation.                |
| <b>Eye contact</b>  | May cause redness and tearing of the eyes.   |
| <b>Skin contact</b> | May cause skin irritation and/or dermatitis. |
| <b>Ingestion</b>    | May be harmful if swallowed.                 |

| Chemical Name         | Oral LD50            | Dermal LD50             | Inhalation LC50                       |
|-----------------------|----------------------|-------------------------|---------------------------------------|
| 2-PROPANOL<br>67-63-0 | = 1870 mg/kg ( Rat ) | = 4059 mg/kg ( Rabbit ) | = 72600 mg/m <sup>3</sup> ( Rat ) 4 h |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| <b>Sensitization</b>          | No information available.                                       |
| <b>Germ cell mutagenicity</b> | No information available.                                       |
| <b>Carcinogenicity</b>        | No information available.                                       |
| <b>Target Organ Effects</b>   | Central nervous system, Eyes, kidney, Respiratory system, Skin. |

The following values are calculated based on chapter 3.1 of the GHS document .

|                                      |            |
|--------------------------------------|------------|
| <b>ATEmix (oral)</b>                 | 1938 mg/kg |
| <b>ATEmix (dermal)</b>               | 4206 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 75.2 mg/l  |

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

3.5 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name         | Algae/aquatic plants                                                                      | Fish                                                                                                                                               | Crustacea                           |
|-----------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 2-PROPANOL<br>67-63-0 | 1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50 | 9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50 | 13299: 48 h Daphnia magna mg/L EC50 |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

| Chemical Name         | Partition coefficient |
|-----------------------|-----------------------|
| 2-PROPANOL<br>67-63-0 | 0.05                  |

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name         | California Hazardous Waste Status |
|-----------------------|-----------------------------------|
| 2-PROPANOL<br>67-63-0 | Toxic<br>Ignitable                |

**14. TRANSPORT INFORMATION**

**DOT**

UN/ID no 1219  
Proper shipping name: Isopropyl alcohol, Limited Quantity (LQ)  
Hazard Class 3  
Packing Group II  
Emergency Response Guide Number 129

**IATA**

UN/ID no ID 8000  
Proper shipping name: Consumer commodity  
Hazard Class 9  
ERG Code 9L

**IMDG**

UN/ID no UN 1219  
Proper shipping name: Isopropyl alcohol, Limited Quantity (LQ)  
Hazard Class 3  
Packing Group II  
EmS-No F-E, S-D

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
DSL/NDL Complies  
EINECS/ELINCS Complies  
ENCS Complies  
IECSC Complies  
KECL Complies  
PICCS Complies  
AICS 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 and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

## 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 % |
|----------------------|-------------------------------|
| 2-PROPANOL - 67-63-0 | 1.0                           |

### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire hazard                       | Yes |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

### 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)

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

## US State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals

### U.S. State Right-to-Know Regulations

| Chemical Name                        | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------------|------------|---------------|--------------|
| 2-PROPANOL<br>67-63-0                | X          | X             | X            |
| MINERAL SPIRITS<br>8052-41-3         | X          | X             | X            |
| ORGANO-COPPER COMPOUND<br>22221-10-9 | X          | -             | X            |

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

### WHMIS Hazard Class

B2 - Flammable liquid, D2B - Toxic materials

## **16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|             |                         |                       |                           |                              |
|-------------|-------------------------|-----------------------|---------------------------|------------------------------|
| <b>NFPA</b> | <b>Health hazards</b> 2 | <b>Flammability</b> 3 | <b>Instability</b> 0      | -                            |
| <b>HMIS</b> | <b>Health hazards</b> 2 | <b>Flammability</b> 3 | <b>Physical hazards</b> 0 | <b>Personal protection</b> B |

NFPA (National Fire Protection Association)  
 HMIS (Hazardous Material Information System)

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Revision Date 15-Dec-2015

**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.

End of Safety Data Sheet

