

# 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)

Revision Date 14-Feb-2025 Version 1

# 1. Identification

**Product identifier** 

Product Name 1 Minute Gel Epoxy Resin

Other means of identification

Product Code 84160

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Epoxy resin

Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer Address May Also Be Distributed by:

ITW Permatex, Inc. ITW Permatex Canada 6875 Parkland Blvd. 101-2360 Bristol Circle

Solon, Ohio 44139 USA Oakville, ON Canada L6H 6M5 Telephone: 1-87-Permatex Telephone: (800) 924-6994

(866) 732-9502

E-mail address mail@permatex.com

Emergency telephone number

Company Phone Number 866-732-9502

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

Ckin correcion/irritation	lo
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1

# Label elements

Contains BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN



# Warning

#### **Hazard statements**

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

# **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves, protective clothing, eye protection and face protection.

Avoid breathing dust, fume, gas, mist, vapors and spray.

Contaminated work clothing should not be allowed out of the workplace.

#### **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 soap and water.

Take off contaminated clothing and wash before reuse.

If skin irritation or rash occurs: Get medical advice and attention.

# **Precautionary Statements - Disposal**

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

20 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

# Other Information

Toxic to aquatic life with long lasting effects.

# 3. Composition/information on ingredients

# Substance

Not applicable.

# <u>Mixture</u>

Chemical name	CAS No.	Weight-%	Information Review	Date HMIRA filed and date exemption granted (if applicable)
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN	25068-38-6	65-85%	-	-

# 4. First-aid measures

**Description of first aid measures** 

**General advice** Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Eye contact

> Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and

persists.

Skin contact May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a

physician. Wash off immediately with soap and plenty of water for at least 15 minutes.

Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce Ingestion

vomiting. Call a physician.

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). Self-protection of the first aider

Most important symptoms and effects, both acute and delayed

**Symptoms** Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.

**Effects of Exposure** No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

# 5. Fire-fighting measures

Use extinguishing measures that are appropriate to local circumstances and the Suitable Extinguishing Media

surrounding environment.

**Small Fire** In case of fire, use water spray, foam, dry chemical, or CO2. In case of fire, use water spray, foam, dry chemical, or CO2. Large Fire

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

No information available. **Hazardous combustion products** 

**Explosion data** 

Sensitivity to mechanical impact None. Sensitivity to static discharge

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

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal **Personal precautions** 

protective equipment as required. Evacuate personnel to safe areas. Keep people away

from and upwind of spill/leak.

Other information Refer to protective measures listed in Sections 7 and 8.

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** 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 Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off

contaminated clothing and wash before reuse.

# Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

# 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

# **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).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved 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 Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this

product. Avoid contact with skin, eyes or clothing.

# 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical stateLiquidAppearanceViscousColorClear

Odor No information available Odor threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

Estimated

**pH** No data available

Melting point / freezing pointNo data availableBoiling point / boiling range245 °C / 473.0 °FEstimatedFlash point129.4 °C / 264.92 °FEstimated

Evaporation rate Not applicable Flammability (solid, gas) No data available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
Vapor pressure
Vapor density

No data available
No data available
No data available

Relative density 1.16

Water solubility
Solubility(ies)
Partition coefficient
Autoignition temperature
Decomposition temperature
Kinematic viscosity
No Data Available

**Particle characteristics** 

Particle Size No data available
Particle Size Distribution No data available

Other information

Explosive properties
Oxidizing properties
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.

**Hazardous polymerization** No information available.

**Conditions to avoid**None known based on information supplied.

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

Hazardous decomposition products None known based on information supplied.

# 11. Toxicological information

Information on likely routes of exposure

**Product Information** 

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract.

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

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

**Skin contact** May cause sensitization by skin contact. Specific test data for the substance or mixture is

not available. Repeated or prolonged skin contact may cause allergic reactions with

susceptible persons. (based on components). Causes skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Symptoms Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

Acute toxicity .

# **Numerical measures of toxicity**

#### The following ATE values have been calculated for the mixture

 ATEmix (oral)
 11,400.00 mg/kg

 ATEmix (dermal)
 99,999.00 mg/kg

 ATEmix (inhalation-gas)
 99,999.00 ppm

 ATEmix (inhalation-vapor)
 99,999.00 mg/l

 ATEmix (inhalation-dust/mist)
 99,999.00 mg/l

20 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information** 

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
BISPHENOL A/EPICHLOROHYDRIN	= 11400 mg/kg (Rat)	-	-
BASED EPOXY RESIN			
25068-38-6			

# 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 May cause an allergic skin reaction.

Germ cell mutagenicity No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

Aspiration hazard No information available.

# 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Persistence and degradability No information available.

**Bioaccumulation** There is no data for this product.

Other adverse effects No information available.

# 13. Disposal considerations

# Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

**Contaminated packaging** Do not reuse empty 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** Not regulated

TDG Not regulated

MEX Not regulated

IATA Not regulated

IMDG Not regulated

# 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/NDSL Complies
EINECS/ELINCS Does not comply

ENCS Complies
IECSC Complies
KECI Complies
PICCS Complies
AICS Complies
NZIOC Complies

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - 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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

## 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 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, 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

This product does not contain any substances regulated under applicable state right-to-know regulations

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

# 16. Other information

NFPAHealth hazards2Flammability1Instability0Special hazards-HMISHealth hazards2Flammability1Physical hazards0Personal protectionX

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 14-Feb-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.



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Revision Date 14-Feb-2025 Version 1

# 1. Identification

**Product identifier** 

Product Name 1 Minute Gel Epoxy Hardener

Other means of identification

Product Code 84160V

UN number or ID number UN3267

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Hardener

Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer Address May Also Be Distributed by:

ITW Permatex, Inc. ITW Permatex Canada 6875 Parkland Blvd. 101-2360 Bristol Circle

Solon, Ohio 44139 USA
Telephone: 1-87-Permatex

Oakville, ON Canada L6H 6M5
Telephone: (800) 924-6994

(866) 732-9502

E-mail address mail@permatex.com

Emergency telephone number

Company Phone Number 866-732-9502

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

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Category 1

# Skin sensitization Label elements

# Contains 1,8-diazabicyclo(5.4.0]undeca-7-en; 2,2-OXYBIS (N,N-DIMETHYLETHANAMINE)



# **Danger**

#### **Hazard statements**

Harmful if swallowed.

Harmful in contact with skin.

Harmful if inhaled.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves, protective clothing, eye protection and face protection.

Use only outdoors or in a well-ventilated area.

Do not breathe dust.

Contaminated work clothing should not be allowed out of the workplace.

# **Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label).

Immediately call a POISON CENTER or doctor.

# **Eyes**

Immediately call a POISON CENTER or doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Skin

IF ON SKIN: Wash with plenty of water and soap.

Call a POISON CENTER or doctor if you feel unwell.

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.

Wash contaminated clothing before reuse.

If skin irritation or rash occurs: Get medical advice and attention.

# Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor if you feel unwell.

Immediately call a POISON CENTER or doctor.

#### Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

Rinse mouth.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

# **Precautionary Statements - Storage**

Store locked up.

# **Precautionary Statements - Disposal**

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

# Unknown acute toxicity

90 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

90 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

95 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

90 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

95 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

#### Other Information

No information available.

# 3. Composition/information on ingredients

# Substance

Not applicable.

#### Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
2,2-OXYBIS (N,N-DIMETHYLETHANAMINE)	3033-62-3	3-7%	-	-
1,8-diazabicyclo(5.4.0]undeca-7 -en	6674-22-2	3-7%	-	-

# 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. If breathing has stopped, give artificial respiration. Get medical

attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. 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 immediate medical attention.

**Skin contact**Wash off immediately with soap and plenty of water while removing all contaminated clothes

and shoes. Get immediate medical attention. May cause an allergic skin reaction.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Get immediate medical attention.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid breathing vapors or mists. Use personal protective equipment as required. See

section 8 for more information.

Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation. Itching. Rashes. Hives. Coughing and/ or wheezing. Difficulty in

breathing.

**Effects of Exposure** No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Product is a corrosive material. Use of gastric lavage or emesis is contraindicated.

Possible perforation of stomach or esophagus should be investigated. Do not give

chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. May cause sensitization in susceptible persons. Treat symptomatically.

# 5. Fire-fighting measures

surrounding environment.

**Small Fire** In case of fire, use water spray, foam, dry chemical, or CO2. **Large Fire** In case of fire, use water spray, foam, dry chemical, or CO2.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous combustion products No information available.

**Explosion data** 

Sensitivity to mechanical impact None. Sensitivity to static discharge None.

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 Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Attention! Corrosive material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing vapors or mists.

**Other information** Refer to protective measures listed in Sections 7 and 8.

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** 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 Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before

reuse. Avoid breathing vapors or mists.

# Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach

of children. Store locked up. Protect from moisture. Store away from other materials.

# 8. Exposure controls/personal protection

# Control Parameters Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
2,2-OXYBIS	TWA: 0.05 ppm	-	-
(N,N-DIMETHYLETHANAMINE)	STEL: 0.15 ppm		
3033-62-3	pSk		

Chemical name	Alberta	British Columbia	Ontario	Quebec
2,2-OXYBIS	TWA: 0.05 ppm;	TWA: 0.05 ppm;	TWA: 0.05 ppm;	-
(N,N-DIMETHYLETHANAMINE)	TWA: 0.5 ppm;	STEL: 0.15 ppm;	STEL: 0.15 ppm;	
3033-62-3	TWA: 0.3 mg/m <sup>3</sup> ;	Sk	dSk	
	STEL: 0.98 mg/m <sup>3</sup> ;			
	STEL: 0.15 ppm;			
	STEL: 0.9 mg/m <sup>3</sup> ;			
	pSk			

Chemical name	Manitoba	New Brunswick	Newfoundland and	Nova Scotia
			Labrador	
2,2-OXYBIS	TWA: 0.05 ppm;	TWA: 0.05 ppm;	TWA: 0.05 ppm;	TWA: 0.05 ppm;
(N,N-DIMETHYLETHANAMINE)	STEL: 0.15 ppm;	STEL: 0.15 ppm;	STEL: 0.15 ppm;	STEL: 0.15 ppm;
	pSk	pSk	pSk	pSk

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
2,2-OXYBIS	TWA: 0.05 ppm;	TWA: 0.05 ppm;	TWA: 0.05 ppm;	
(N,N-DIMETHYLETHANAMINE)	STEL: 0.15 ppm;	STEL: 0.15 ppm;	STEL: 0.15 ppm;	
	Sk		pSd	

# **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). Face protection shield. Tight sealing

safety goggles.

Hand protection Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing. Chemical resistant apron.

**Respiratory protection**Use appropriate respiratory protection.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. 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.

Thermal hazards No information available.

# 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical stateLiquidAppearanceViscousColorAmberOdorMercaptan

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 No data available

Flash point 200.1 °F (93.4°C) Estimated

Evaporation rate Not applicable Flammability (solid, gas) No data available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
Vapor pressure
Vapor density

No data available
No data available
No data available

**Relative density** 1.12 Estimated

Water solubility
Solubility(ies)
Partition coefficient
Autoignition temperature
Decomposition temperature
Kinematic viscosity
No Data Available

Particle characteristics

Particle Size No data available
Particle Size Distribution No data available

Other information

Explosive properties
Oxidizing properties
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.

**Hazardous polymerization**No information available.

**Conditions to avoid** Exposure to air or moisture over prolonged periods. Excessive heat.

**Incompatible materials** Acids. Bases. Oxidizing agent.

Hazardous decomposition products None known based on information supplied.

# 11. Toxicological information

#### Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. Corrosive by inhalation.

(based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs.

Pulmonary edema can be fatal. Harmful by inhalation.

**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye damage.

(based on components). Corrosive to the eyes and may cause severe damage including

blindness. May cause irreversible damage to eyes.

**Skin contact** Specific test data for the substance or mixture is not available. Corrosive. (based on

components). Causes burns. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May be

absorbed through the skin in harmful amounts. Harmful in contact with skin.

**Ingestion** Specific test data for the substance or mixture is not available. Causes burns. (based on

components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung

damage if swallowed. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Redness. Burning. May cause blindness. Coughing and/ or wheezing. Itching. Rashes.

Hives.

Acute toxicity Harmful if swallowed. Harmful by skin contact. Harmful by inhalation.

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral) 451.20 mg/kg ATEmix (inhalation-gas) 99,999.00 ppm ATEmix (inhalation-vapor) 22.00 mg/l

#### Unknown acute toxicity

90 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

90 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

95 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

90 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

95 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information** 

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2,2-OXYBIS	= 910 mg/kg (Rat)	= 238 mg/kg (Rabbit)	= 117 ppm (Rat) 6 h
(N,N-DIMETHYLETHANAMINE)			
3033-62-3			
1,8-diazabicyclo(5.4.0]undeca-7-en	300 - 2000 mg/kg (Rat)	-	-
6674-22-2			

## 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 severe skin burns and eye

damage.

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

burns.

**Respiratory or skin sensitization** May cause an allergic skin reaction.

Germ cell mutagenicity No information available.

**Carcinogenicity** No information available.

Reproductive toxicity No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure**No information available.

**Aspiration hazard** No information available.

# 12. Ecological information

**Ecotoxicity**The environmental impact of this product has not been fully investigated.

Persistence and degradability No information available.

Bioaccumulation

**Component Information** 

Chemical name	Partition coefficient	
2,2-OXYBIS (N,N-DIMETHYLETHANAMINE)	-0.339	
3033-62-3		

Other adverse effects No information available.

# 13. Disposal considerations

# Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

**Contaminated packaging** Do not reuse empty 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

<u>DOT</u>

UN number or ID number UN3267

**Proper shipping name** Corrosive liquid, basic, organic, n.o.s.

Transport hazard class(es)

8

Packing group III
DOT Marine Pollutant NP

**Description** UN3267, Corrosive liquid, basic, organic, n.o.s.(2,2-OXYBIS

(N,N-DIMETHYLETHANAMINE), 1,8-diazabicyclo(5.4.0]undeca-7-en), 8, III, (Limited

Quantity)

Special Provisions IB3, T7, TP1, TP28

TDG

UN number or ID number UN3267

**UN proper shipping name** Corrosive liquid, basic, organic, n.o.s.

Transport hazard class(es) 8
Packing group | | | |

**Description** UN3267, Corrosive liquid, basic, organic, n.o.s.(2,2-OXYBIS

(N,N-DIMETHYLETHANAMINE), 1,8-diazabicyclo(5.4.0]undeca-7-en), 8, III

MEX

UN number or ID number UN3267

**UN proper shipping name** Corrosive liquid, basic, organic, n.o.s.

Transport hazard class(es) 8
Packing group | |

**Description** UN3267, Corrosive liquid, basic, organic, n.o.s. (2,2-OXYBIS

(N,N-DIMETHYLETHANAMINE), 1,8-diazabicyclo(5.4.0]undeca-7-en), 8, III

Special Provisions 223, 274

ICAO (air)

UN number or ID number UN3267

**UN proper shipping name** Corrosive liquid, basic, organic, n.o.s.

Transport hazard class(es) 8
Packing group | |

**Description** UN3267, Corrosive liquid, basic, organic, n.o.s. (2,2-OXYBIS

(N,N-DIMETHYLETHANAMINE), 1,8-diazabicyclo(5.4.0]undeca-7-en), 8, III

Special Provisions A3

<u>IATA</u>

UN number or ID number UN3267

**UN proper shipping name** Corrosive liquid, basic, organic, n.o.s.

Transport hazard class(es) 8
Packing group III
ERG Code 8L
Special Provisions A3, A803

**Description** UN3267, Corrosive liquid, basic, organic, n.o.s.(2,2-OXYBIS

(N,N-DIMETHYLETHANAMINE), 1,8-diazabicyclo(5.4.0]undeca-7-en), 8, III, (Limited

Quantity)

**IMDG** 

UN number or ID number UN3267

**UN proper shipping name** Corrosive liquid, basic, organic, n.o.s.

Transport hazard class(es) 8
Packing group III
EmS-No. F-A, S-B
Special Provisions 223, 274

**Description** UN3267, Corrosive liquid, basic, organic, n.o.s.(2,2-OXYBIS

(N,N-DIMETHYLETHANAMINE), 1,8-diazabicyclo(5.4.0]undeca-7-en), 8, III, (0°C c.c.),

(Limited Quantity)

# 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/NDSL** Complies Does not comply **EINECS/ELINCS** Does not comply **ENCS IECSC** Complies Complies KECI **PICCS** Complies AICS Complies Complies **NZIoC** 

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - 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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

# 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 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, 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
2,2-OXYBIS	X	-	-
(N,N-DIMETHYLETHANAMINE)			
3033-62-3			

# U.S. EPA Label Information

# EPA Pesticide Registration Number Not applicable

# 16. Other information

NFPAHealth hazards3Flammability0Instability0Special hazards-HMISHealth hazards3Flammability0Physical hazards0Personal protectionX

#### 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 14-Feb-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.