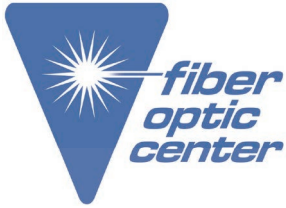


# SAFETY DATA SHEET (SDS)

**Manufacturer:**

Dymax

**Product Name:**

Dymax OP-29V Optical Adhesive, Optically Clear, UV Cure - 3ml Syringe

**Manufacturer Part Number:**

OP-29V-3ML

▶ Click here for more details on the Dymax OP-29V Optical Adhesive, Optically Clear, UV Cure - 3ml Syringe



## SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: 29 CFR 1910.1200

### OP-29V

Issuing Date 17-Oct-2025

Revision date 17-Oct-2025

Revision Number 32

#### 1. Identification

**Product identifier**

Product Name

OP-29V

**Other means of identification****Recommended use of the chemical and restrictions on use**

Recommended use

Adhesives and/or sealants.

Restrictions on use

Consumer use.

**Details of the supplier of the safety data sheet****Manufacturer**

Dymax Corporation  
318 Industrial Lane  
Torrington, CT 06790  
Tel: 860-482-1010  
Fax: 860-496-0608

**E-mail address**

Product\_Regulatory@dymax.com

**Emergency telephone number**

24 Hour Emergency Phone Number Chemtrec 1-800-424-9300

Emergency Telephone

01-800-681-9531 (Latin American Spanish)

#### 2. Hazard(s) identification

**Classification**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3

**Hazards not otherwise classified (HNOC)**

Not applicable.

**Label elements**

Signal word Danger

Hazard statements

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FOC last update 12/12/2025.

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**OP-29V**

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Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction.  
May damage fertility or the unborn child.  
May cause respiratory irritation.

**Precautionary Statements - Prevention**

Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/clothing and eye/face protection.  
Wash face, hands and any exposed skin thoroughly after handling.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Take off contaminated clothing and wash before reuse.  
IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

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

**Other information**

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

Testing for acute and chronic aquatic effects determined no environmental classification is required. OECD Test No. 202: Daphnia sp., Acute Immobilization Test.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

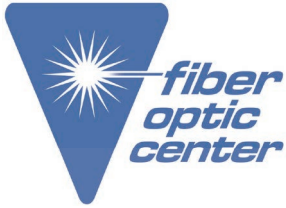
Chemical name	CAS No.	Trade secret	Weight-%
Isobornyl Acrylate	5888-33-5	*	10 - 30
2-Hydroxyethyl methacrylate	868-77-9	*	10 - 30

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**OP-29V**

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Acrylate monomer	Proprietary	*	1 - 5
Acrylic Acid	79-10-7	*	1 - 5
Photoinitiator	Proprietary	*	0.5 - 1.5
Organofunctional Silane Ester	Proprietary	*	0.1 - 1
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	*	0.1 - 1

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

**4. First-aid measures****Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance.

**Ingestion**

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.

**Inhalation**

Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.

**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.

**Eye contact**

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

**Self-protection of the first aider**

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

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

**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****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical or CO2.

**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.

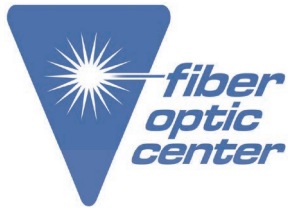
**Hazardous combustion products**

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Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Hydrocarbons. Nitrogen oxides (NO<sub>x</sub>).**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. 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**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards**

Clean contaminated objects and areas thoroughly observing environmental regulations.

**Reference to other sections**

See section 8 for more information. See section 13 for more information.

**Section 7: Handling and storage, including how the chemical may be safely used****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

Remove contaminated clothing and shoes

Avoid breathing vapors or mists

Protect from light.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

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

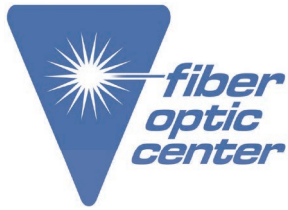
Store locked up.

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Protect from light.

**8. Exposure controls/personal protection****Control Parameters****Exposure Limits**

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Acrylic Acid	TWA: 2 ppm S*	(vacated) TWA: 10 ppm (vacated) TWA: 30 mg/m <sup>3</sup> (vacated) S*	TWA: 2 ppm TWA: 6 mg/m <sup>3</sup>

**Appropriate engineering controls****Engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment****General hygiene considerations**

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

**Hand protection**

Wear suitable gloves. Nitrile rubber, Butyl rubber.

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**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.

**Environmental exposure controls**

Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

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

Physical state:	Liquid
Appearance:	transparent
Color:	colorless light yellow to
Odor:	Characteristic
Odor threshold:	No information available

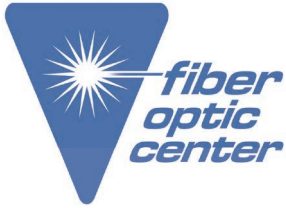
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## OP-29V

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Property	Values	Remarks • Method
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	101 °C / 213.8 °F	Pensky-Martens Closed Cup (PMCC)
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air	No data available	None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	438 °C / 820.4 °F	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	2,500 cP	

**Other information**

Explosive properties:	No information available
Oxidizing properties:	No information available
Softening point:	No information available
Molecular weight:	No information available
Liquid Density:	No information available
Bulk density:	No information available

### 10. Stability and reactivity

**Reactivity**

No information available.

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous polymerization**

None under normal processing.

**Conditions to avoid**

Protect from light. Heat, flames and sparks.

**Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents.

**Hazardous decomposition products**

None under normal use conditions.

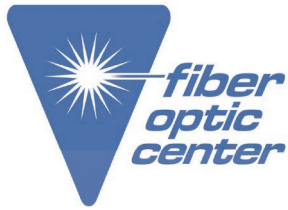
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### 11. Toxicological information

**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. 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. Causes skin irritation.

**Ingestion:**

Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Acute toxicity**

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

ATEmix (oral): 6,321.20 mg/kg  
ATEmix (dermal): 4,964.70 mg/kg  
ATEmix (inhalation-dust/mist): 115.60 mg/l  
ATEmix (inhalation-vapor): 99,999.00 mg/l

**Unknown acute toxicity**

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

**Component Information:**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Isobornyl Acrylate	= 4890 mg/kg ( Rat )	> 3000 mg/kg ( Rabbit )	-
2-Hydroxyethyl methacrylate	= 5050 mg/kg ( Rat )	> 3000 mg/kg ( Rabbit )	-
Acrylate monomer	-	> 2000 mg/kg ( Rabbit ) 1000 - 2000 mg/kg ( Rabbit )	-
Acrylic Acid	= 193 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 11.1 mg/L ( Rat ) 1 h = 3.6 mg/L ( Rat ) 4 h
Photoinitiator	-	> 5000 mg/kg ( Rat )	> 1000 mg/m <sup>3</sup> ( Rat ) 4 h
Organofunctional Silane Ester	= 23.5 g/kg ( Rat )	> 2000 mg/kg ( Rat )	> 2.28 mg/L ( Rat ) 6 h
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-

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

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

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

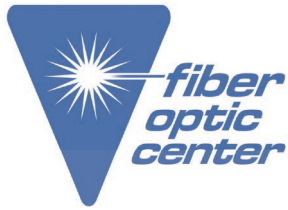
Classification based on data available for ingredients. Causes skin irritation.

**Serious eye damage/eye irritation:**

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

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**Product Name:**

Dymax OP-29V Optical Adhesive, Optically Clear, UV Cure - 3ml Syringe

**Manufacturer Part Number:**

OP-29V-3ML

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## OP-29V

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**Respiratory or skin sensitization:**

May cause an allergic skin reaction.

**Germ cell mutagenicity:**

Not classified. Based on available data, the classification criteria are not met.

**Carcinogenicity:**

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

Chemical name	ACGIH	IARC	NTP	OSHA
Acrylic Acid	-	Group 3	-	-

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

Group 3 - Not classifiable as to carcinogenicity in humans

**Reproductive toxicity:**

Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.

**STOT - single exposure:**

May cause respiratory irritation.

**STOT - repeated exposure:**

Not classified. Based on available data, the classification criteria are not met.

**Aspiration hazard:**

Not classified. Based on available data, the classification criteria are not met.

## 12. Ecological information

**Product Information**

Testing for acute and chronic aquatic effects determined no environmental classification is required. OECD Test No. 202: Daphnia sp., Acute Immobilization Test.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Isobornyl Acrylate	ErC 50 = 2.7 mg/L 96h (Pseudokirchneriella subcapitata)	LC50: =0.704mg/L 96h (Danio rerio)	EC 50 = 1.1 mg/L 48 h (Daphnia magna)
2-Hydroxyethyl methacrylate	-	LC50: 213 - 242mg/L (96h, Pimephales promelas) LC50: =227mg/L (96h, Pimephales promelas)	EC50 > 380 mg/L 48 h (Daphnia magna)
Acrylic Acid	EC50: =0.04mg/L (72h, Desmodesmus subspicatus) EC50: =0.17mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =222mg/L (96h, Brachydanio rerio) NOEC: >= 10.1mg/L (45d, Oryzias latipes, OECD 210)	EC50: =95mg/L (48h, Daphnia magna) NOEC: =3.8mg/L (21d, Daphnia magna)
Photoinitiator	-	LC50: =24mg/L (96h, Danio rerio)	-
Organofunctional Silane Ester	EC50 > 536.00 mg/l 72 h (Scenedesmus subspicatus)	LC50: >100mg/L (96h Danio rerio)	EC50 > 876.00 mg/l 48 h (Daphnia magna)
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	-	LC50 10 mg/l 48 h (Oryzias latipes)	-

**Persistence and degradability**

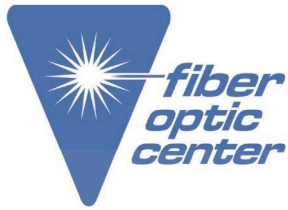
No information available.

**Bioaccumulation****Component Information**

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## OP-29V

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Chemical name	Partition coefficient
Isobornyl Acrylate	4.52
2-Hydroxyethyl methacrylate	0.42
Acrylate monomer	1.2
Acrylic Acid	0.46
Photoinitiator	2.81
Organofunctional Silane Ester	2.1
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	3.1

**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**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of contents/containers in accordance with local regulations.

### 14. Transport information

**IMDG** Not regulated**IATA** Not regulated**DOT** Not regulated

### 15. Regulatory information

**International Inventories****Commercial Activity Designation** - Active**TSCA** Complies

<b>AIIC</b>	Complies
<b>DSL/NDSL</b>	Listed on NDSL
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECI</b>	Complies
<b>PICCS</b>	Low Volume Exemption (LVE)
<b>NZIoC</b>	Complies
<b>TCSI</b>	Complies

**Legend:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**AIICS** - Australian Industrial Chemicals Introduction Scheme**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**Contact the professionals at Fiber Optic Center for a quote or to get more details.**23 Centre Street • New Bedford, MA 02740 USA • [focenter.com](http://focenter.com)508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

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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  
NZIoC - New Zealand Inventory of Chemicals  
TCSI - Taiwan Chemical Substance Inventory

**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 %
Acrylate monomer	1.0
Acrylic Acid	1.0

**SARA 311/312 Hazard Categories**

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

**CWA (Clean Water Act)**

This product 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	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Acrylic Acid	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**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
Acrylate monomer 1 - 5 %	X	-	X
Acrylic Acid 1 - 5 %	X	X	X

**U.S. EPA Label Information****EPA Pesticide Registration Number**

Not applicable

**16. Other information**

NFPA Health hazards 2 Flammability 1 Instability 0 Special hazards -  
HMIS Health hazards 2 \* Flammability 1 Physical hazards 0 Personal protection X  
Chronic Hazard Star Legend: \* = Chronic Health Hazard

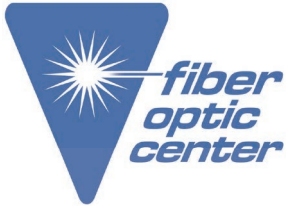
Contact the professionals at Fiber Optic Center for a quote or to get more details.

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# SAFETY DATA SHEET (SDS)

**Manufacturer:**

Dymax

**Product Name:**

Dymax OP-29V Optical Adhesive, Optically Clear, UV Cure - 3ml Syringe

**Manufacturer Part Number:**

OP-29V-3ML

▶ Click here for more details on the Dymax OP-29V Optical Adhesive, Optically Clear, UV Cure - 3ml Syringe

## OP-29V

Issuing Date 17-Oct-2025

Revision date 17-Oct-2025

Revision Number 32

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

**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 GHS Classification  
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 17-Oct-2025

Revision Note The symbol (\*) in the margin of this SDS indicates that this line has been revised

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End of Safety Data Sheet

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