

Manufacturer:

Dymax

Product Name:

Dymax OP-32 Flexible Optical Adhesive, Colorless/Transparent, UV Cure - 3ml Syringe

Manufacturer Part Number:

OP-32-3ML

Click here for more details on the Dymax OP-32 Flexible Optical Adhesive, Colorless/Transparent, UV Cure - 3ml Syringe



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Australia Work Health and Safety Act 2012

OP-32

Issuing Date 26-Oct-2023 Revision date 26-Oct-2023 Revision Number 31

Section 1: Identification: Product identifier and chemical identity

Product identifier

Product Name OP-32

Other means of identification

Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Recommended use Adhesives and/or sealants

Uses advised against Consumer use

Details of manufacturer or importer

 Manufacturer
 Supplier

 Dymax Corporation
 UV Pacific Pty Ltd.

 318 Industrial Lane
 Adelaide, South Australia

 Torrington, CT 06790
 Phone: 61 (0)8-8277-9721

 Tel: 860-482-1010
 Fax: 61 (0)8-8277-9739

 Fax: 860-496-0608

9:00 am to 6:00 pm Monday to Friday

Responsibility Statement

Contact Point Product Safety Department

E-mail address Robert@uvpacific.com

Emergency telephone number

Emergency Telephone Chemtrec @ 001-703-741-5970 (24hrs)

+(61)-290372994 (Australia) +(64)-98010034 (New Zealand)

Section 2: Hazard(s) identification

GHS Classification

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Skin sensitization	Category 1 - (H317)
Specific target organ toxicity (single exposure)	Category 3 - (H335)

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Label elements

Exclamation mark Corrosion





Signal word

DANGER

Hazard statements

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

Precautionary Statements - Prevention

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

Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves/clothing and eye/face protection.

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

IF ON SKIN: Wash with plenty of soap and water.
Take off contaminated clothing and wash before reuse.

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

Precautionary Statements - StorageStore in a well-ventilated place. Keep container tightly closed.

Store locked up.

Precautionary Statements - Disposal

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

Other hazards which do not result in classification

Environmental product testing for acute and chronic aquatic effects determined classification to be Category 3. OECD Test No. 202: Daphnia sp., Acute Immobilization Test.

Section 3: Composition and information on ingredients

Substance

Not applicable.

Mixture

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Chemical name	CAS No.	Weight-%
Acrylate Ester	Proprietary	20 - 30%
Acrylic oligomer	Proprietary	10 - 20%
Methacrylate Ester Monomer	Proprietary	10 - 20%
Acrylate monomer	Proprietary	10 - 20%
Acrylic Acid	79-10-7	0 - 10%
Silane Coupling Agent	Proprietary	0 - 10%
Peroxide	Proprietary	0 - 10%
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	0 - 10%
Non-hazardous ingredients	Proprietary	Balance

Section 4: First aid measures

Description of first aid measures

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

Emergency telephone number

Poisons Information Center, Australia: 13 11 26. Poisons Information Center, New Zealand: 0800 764 766.

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

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

Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

Eye contact

Get immediate medical attention. 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.

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

Burning sensation. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians

May cause sensitization in susceptible persons. Treat symptomatically.

Section 5: Firefighting measures

Suitable Extinguishing Media

Suitable extinguishing media

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

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

Specific hazards arising from the chemical

Specific hazards arising from the chemical

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

Hazardous combustion products

Carbon dioxide (CO2). Carbon monoxide. Hydrocarbons. Nitrogen oxides (NOx).

Special protective actions for fire-fighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions

Prevent further leakage or spillage if safe to do so.

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.

Precautions to prevent secondary hazards

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

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notice. FOC last update 12/15/2025.



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Advice on safe handling

Protect from light.

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

Conditions for safe storage, including any incompatibilities

Storage Conditions

Protect from light.

Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

Section 8: Exposure controls/personal protection

Control parameters

Exposure Limits

Chemical name	Australia	ACGIH TLV
Acrylic Acid	2 ppm TWA	TWA: 2 ppm
· ·	5.9 mg/m ³ TWA	S*

Biological occupational exposure limits

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

Appropriate engineering controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

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.

Environmental exposure controls

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

Section 9: Physical and chemical properties

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None known

None known

None known

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Information on basic physical and chemical properties

Physical state: Liquid transparent Appearance: Color: colorless Characteristic Odor:

Odor threshold: No information available

Values No data available Property Remarks • Method None known

Melting point / freezing point No data available None known Boiling point / boiling range Flash point No data available

None known Pensky-Martens Closed Cup (PMCC) 101 °C Evaporation rate No data available None known

Flammability (solid, gas) No data available None known Flammability Limit in Air None known

Upper flammability or explosive No data available

Lower flammability or explosive No data available

limits Vapor pressure No data available

Relative vapor density No data available None known Relative density Water solubility No data available None known Insoluble in water Solubility(ies) No data available None known Partition coefficient Autoignition temperature No data available None known 238 °C None known **Decomposition temperature** None known

Kinematic viscosity Dynamic viscosity No data available No data available cP No information available **Explosive properties:**

Oxidizing properties: No information available

Other information

Softening point: No information available Molecular weight: VOC content: No information available No information available Liquid Density: No information available **Bulk density:** No information available

Section 10: Stability and reactivity

Reactivity

Reactivity

No information available.

Chemical stability

Stability

Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact: None.

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Sensitivity to static discharge:

None.

Possibility of hazardous reactions

Possibility of hazardous reactions

None under normal processing

Hazardous polymerization

None under normal processing.

Conditions to avoid

Conditions to avoid

Protect from light. Heat, flames and sparks.

Incompatible materials

Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products

Hazardous decomposition products

None under normal use conditions

Section 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.

Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.

Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. 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. May be harmful if swallowed.

Symptoms

Redness, Burning, May cause blindness, Itching, Rashes, Hives, May cause redness and tearing of the eyes,

Acute toxicity

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

ATEmix (oral): 4,533.10 mg/kg ATEmix (dermal): 4,619.90 mg/kg ATEmix (inhalation-gas): 99,999.00 ppm ATEmix (inhalation-vapor): 99,999.00 mg/l

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ATEmix (inhalation-dust/mist): 70.30 mg/l

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

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acrylate Ester	= 4890 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-
Methacrylate Ester Monomer	= 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
Silane Coupling Agent	= 23.5 g/kg (Rat)	> 2000 mg/kg (Rat)	> 2.28 mg/L (Rat)6 h
Peroxide	= 1012 mg/kg (Rat)	= 3817 mg/kg (Rabbit)	1.01 - 4.9 mg/L (Rat) 4 h
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

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. Irritating to skin.

Serious eye damage/eye irritation:

Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

Respiratory or skin sensitization:

May cause sensitization by skin contact.

Germ cell mutagenicity:

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

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

Chemical name	Australia	European Union	IARC
Acrylic Acid	-	-	Group 3
IABO (lutum etilemet American fem Bureauch em Original)			

ARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity:

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

STOT - single exposure:

May cause respiratory irritation.

STOT - repeated exposure:

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

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

Section 12: Ecological information

Ecotoxicity

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Aquatic ecotoxicity

Harmful to aquatic life with long lasting effects.

Product Information

Environmental product testing for acute and chronic aquatic effects determined classification to be Category 3. OECD Test No. 202: Daphnia sp., Acute Immobilization Test.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Acrylate Ester	ErC 50 = 2.7 mg/L 96h	LC50: =0.704mg/L 96h	EC 50 = 1.1 mg/L 48 h
	(Pseudokirchneriella subcapitata)	(Danio rerio)	(Daphnia magna)
Methacrylate Ester Monomer	-	LC50: 213 - 242mg/L (96h,	EC50 > 380 mg/l 48 h (Daphnia
		Pimephales promelas)	magna)
		LC50: =227mg/L (96h, Pimephales	
		promelas)	
Acrylic Acid	EC50: =0.04mg/L	LC50: =222mg/L (96h, Brachydanio	EC50:=95mg/L (48h, Daphnia
	(72h, Desmodesmus subspicatus)	rerio) NOEC: >= 10.1mg/L (45d,	magna)
	EC50: =0.17mg/L	Oryzias latipes, OECD 210)	NOEC: =3.8mg/L (21d, Daphnia
	(96h, Pseudokirchneriella		magna)
	subcapitata)		
Silane Coupling Agent	EC50 > 536,00 mg/l 72 h	LC50: >100mg/L	EC50 > 876,00 mg/l 48 h
	(Scenedesmus subspicatus)	(96h Danio rerio)	(Daphnia magna)
Peroxide	ErC50 = 0.8 mg/l 72h } par (Green	LC50: =1.6mg/L 96h	EC50 = 11 mg/l 48h
	Algae)	(Danio rerio)	(Daphnia magna)
Diphenyl (2,4,6-trimethylbenzoyl)	-	LC50 10 mg/l 48 h	-/
phosphine oxide		(Oryzias latipes)	

Persistence and degradability

Persistence and degradability No information available.

Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Acrylate Ester	4.52
Acrylic oligomer	2.03
Methacrylate Ester Monomer	0.42
Acrylate monomer	1.2
Acrylic Acid	0.46
Silane Coupling Agent	2.1
Peroxide	3
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	3.1

Mobility

Mobility in soil

No information available.

MobilityNo information available.

Other adverse effects

Other adverse effects No information available.

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Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

Section 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.

Section 14: Transport information

IMDG Not regulated

ATA Not regulated <u>ADG</u> Not regulated

Section 15: Regulatory information

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

National regulations

Australia

See section 8 for national exposure control parameters.

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP) Poison Schedule Number: 6

National pollutant inventory

Subject to reporting requirement.

Chemical name	National pollutant inventory
Acrylic Acid	10 tonne/yr Threshold category 1

International Inventories

Complies DSL/NDSL Not Listed EINECS/ELINCS Complies ENCS Complies **IECSC** Complies KECL PICCS Complies Not Listed NZIoC Complies

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TCSI **TSCA** Complies Not Listed

Legend:

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
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

NZIoC - New Zealand Inventory of Chemicals

TCSI - Taiwan Chemical Substance Inventory

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

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.

Section 16: Any other relevant information

Revision date

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

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
C: Carcinogen	

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

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA)

EPA (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)

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National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

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End of Safety Data Sheet



