

Manufacturer: Dymax[®]

Product Name: Dymax OP-32 UV Optical Adhesive (30ml)

Manufacturer Part Number: OP-32-30ML

Click here for more details on the Dymax OP-32 UV Optical Adhesive (30ml)



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 chem | ical and restrictions on use | | | |
| Recommended use | Adhesives and/or sealants | | | |
| Uses advised against | Consumer use | | | |
| Details of manufacturer or impo | rter_ | | | |
| Manufacturer Dymax Corporation 318 Industrial Lane Torrington, CT 06790 Tel: 860-482-1010 Fax: 860-496-0608 | Supplier UV Pacific Pty Ltd. Adelaide, South Australia Phone: 61 (0)8-8277-9721 Fax: 61 (0)8-8277-9739 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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Data is subject to change without notice.

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



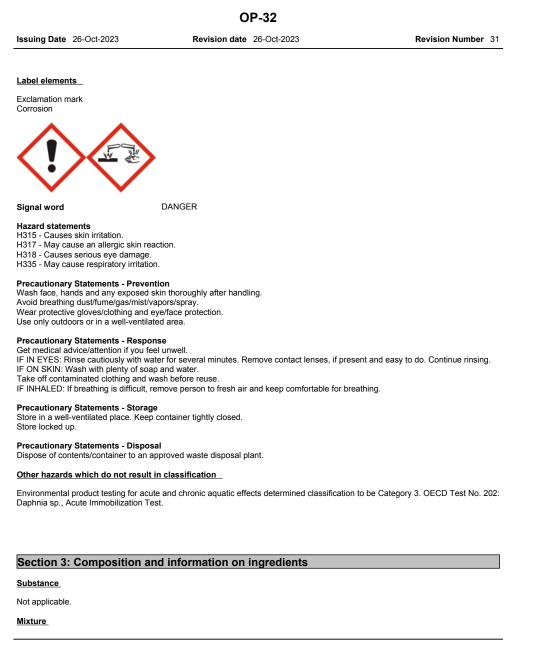


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Learn More

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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

General advice

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.

Indestion

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

Inhalation

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

Skin contact

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

Symptoms

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 media

Do 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.

Other information 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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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 product.

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.

Wear building protective of anning. Long decived of

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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|---|-----------------------------|-------------------|-------------------|----------|
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| incouring | activity | | | |
| D | - 41. 14. | | | |
| Reactivity No information available. | | | | |
| Chemical stability | emical stability | | | |
| Stability Stable under normal conditions. | | | | |
| Explosion data Sensitivity to mechanical impact: None. | | | | |

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| | 0 | P-32 | |
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| | | | |
| Sensitivity to static discharge: No | one. | | |
| 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 | S. | | |
| Incompatible materials | | | |
| Incompatible materials Strong acids. Strong bases. Strong oxidizi | ng agents. | | |
| Hazardous decomposition products | | | |
| Hazardous decomposition products None under normal use conditions. | | | |
| Section 11: Toxicological info | ormation | | |
| Information on likely routes of exposur | <u>e</u> | | |
| Product Information Inhalation: Specific test data for the substance or mix | ture is not available. I | May cause irritation of | respiratory tract. |
| Eye contact: Specific test data for the substance or mix eyes. | ture is not available. | Causes serious eye da | mage. May cause irreversible damage to |
| Skin contact: Specific test data for the substance or mix contact may cause allergic reactions with | | | n by skin contact. Repeated or prolonged skin). Causes skin irritation. |
| Ingestion: Specific test data for the substance or mix diarrhea. May be harmful if swallowed. | ture is not available. I | ngestion may cause g | astrointestinal irritation, nausea, vomiting and |
| Symptoms Redness. Burning. May cause blindness. | Itching. Rashes. Hive | s. May cause redness | and tearing of the eyes. |
| Acute toxicity | | | |
| The following values are calculated bas ATEmix (oral): 4,5 ATEmix (dermal): 4,6 | sed on chapter 3.1 o 533.10 mg/kg 519.90 mg/kg ,999.00 ppm | f the GHS document: | |

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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.

Carcinogenicity:

| Chemical name | Australia | European Union | IARC |
|--|----------------------------------|-------------------------------|-------|
| Acrylic Acid | - | - | Group |
| IARC (International Agency for Research Group 2B - Possibly Carcinogenic to Humar | | as to Carcinogenicity in Huma | ns |
| Reproductive toxicity: Not classified. Based on available data, the clas | sification criteria are not met. | | |
| STOT - single exposure: May cause respiratory irritation. | | | |
| STOT - repeated exposure: Not classified. Based on available data, the clas | sification criteria are not met. | | |
| Aspiration hazard: Not classified. Based on available data, the clas | sification criteria are not met. | | |

Section 12: Ecological information

Ecotoxicity

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Learn More

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Manufacturer:

Dymax[®]

Product Name: Dymax OP-32 UV Optical Adhesive (30ml)

Manufacturer Part Number: OP-32-30ML

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OP-32

Issuing Date 26-Oct-2023

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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

| Partition coefficient | | |
|-----------------------|--|--|
| 4.52 | | |
| 2.03 | | |
| 0.42 | | |
| 1.2 | | |
| 0.46 | | |
| 2.1 | | |
| 3 | | |
| 3.1 | | |
| | | |

Mobility

Mobility in soil No information available.

Mobility No 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 | |
| IATA | Not regulated | |
| ADG | 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/vr Threshold category 1 | |

International Inventories

| AIIC | Complies |
|---------------|------------|
| DSL/NDSL | Not Listed |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Not Listed |
| NZIOC | Complies |
| | |

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| | OP-32 | |
|---|--|--------------------------------|
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| | | |
| TCSI TSCA | Complies Not Listed | |
| EINECS/ELINCS - European In ENCS - Japan Existing and Nev IECSC - China Inventory of Exist KECL - Korean Existing and Ev PICCS - Philippines Inventory o NZIOC - New Zealand Inventory TCSI - Taiwan Chemical Subst | ic Substances List/Non-Domestic Substances List iventory of Existing Chemical Substances/European List or w Chemical Substances sting Chemical Substances raluated Chemical Substances f Chemicals and Chemical Substances v of Chemicals | f Notified Chemical Substances |
| - | tances that Deplete the Ozone Layer | |
| The Stockholm Convention on F Not applicable. | Persistent Organic Pollutants | |
| | | |
| Not applicable. Section 16: Any other re | | |
| Not applicable. Section 16: Any other re Revision date | 26-Oct-2023 | |
| Not applicable. Section 16: Any other re Revision date Revision Note | 26-Oct-2023 The symbol (*) in the margin of this SDS indicates th | at this line has been revised. |
| Not applicable. Section 16: Any other re Revision date Revision Note | 26-Oct-2023 | at this line has been revised. |
| Not applicable. Section 16: Any other re Revision date Revision Note Key or legend to abbreviations a | 26-Oct-2023 The symbol (*) in the margin of this SDS indicates th | at this line has been revised. |
| Not applicable. Section 16: Any other re Revision date Revision Note Key or legend to abbreviations : Legend Section 8: EXPOSURE TWA (time-weighted average) | 26-Oct-2023 The symbol (*) in the margin of this SDS indicates th and acronyms used in the safety data sheet CONTROLS/PERSONAL PROTECTION STEL (Short Term Exposu | |
| Not applicable. Section 16: Any other re Revision date Revision Note Key or legend to abbreviations : Legend Section 8: EXPOSURE TWA (time-weighted average) Ceiling: Maximum limit value C: Carcinogen | 26-Oct-2023 The symbol (*) in the margin of this SDS indicates th and acronyms used in the safety data sheet CONTROLS/PERSONAL PROTECTION STEL (Short Term Exposu *: Skin designation | |
| Legend Section 8: EXPOSURE TWA (time-weighted average) Ceiling: Maximum limit value Ceiling: Maximum limit value C: Carcinogen Key literature references and sc Agency for Toxic Substances and sc Agency for Toxic Substances and sc Agency for Toxic Substances and sc European Food Safety Authority (I EPA (Environmental Protection Age U.S. Environmental Protection Age U.S. Environmental Protection Age U.S. Environmental Protection Age Food Research Journal Hazardous Substance Database International Uniform Chemical Int Japan GHS Classification International Int | 26-Oct-2023 The symbol (*) in the margin of this SDS indicates th and acronyms used in the safety data sheet CONTROLS/PERSONAL PROTECTION STEL (Short Term Expose *: Skin designation Durces for data used to compile the SDS Disease Registry (ATSDR) ency ChemView Database EFSA) gency() i) (AEGL(s)) ency Federal Insecticide, Fungicide, and Rodenticide Act ency High Production Volume Chemicals formation Database (IUCLID) hicals Notification and Assessment Scheme (NICNAS) | |

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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

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