

Safety Data Sheet

Thread Devil



SDS Revision Date:

AUG 2024

1. Product and Company Identification

| | | |
|----------------------------|-------------------------|-----------------------------|
| Product name: | Thread Devil | IDH number: |
| Product type | Anaerobic Thread Locker | Item number: |
| Restriction of Use: | None | Region: |
| Company address: | | Contact information: |
| Adhesive R & D Inc. | | Telephone: 1 (715) 832-4557 |
| 4603 Anderson Drive | | |
| Eau Claire, WI. 54703 | | |

2. Hazard(s) identification

EMERGENCY OVERVIEW

WARNING: CAUSES SKIN AND EYE IRRITATION.
MAY CAUSE AN ALLERGIC SKIN REACTION.

| HAZARD CLASS | HAZARD CATEGORY |
|---|-----------------|
| Acute Toxicity - Oral | 3 |
| Acute Toxicity - Dermal | 4 |
| Acute Toxicity - Inhalation | 4 |
| Skin corrosive | 1B |
| Specific Target Organ Toxicity (STOT) Repeated Exposure | 2 |
| Carcinogen | 1B |
| Specific Target Organ Toxicity Short Term Exposure | 3 |
| Aspiration Toxicity | 1 |
| Skin Irritant | 2 |
| Eye Irritant | 2 |
| Skin Sensitizer | 1 |

PICTOGRAM(S)



Precautionary Statements

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat / sparks / open flames / hot surfaces - No smoking. Avoid breathing dust / fume / gas / mist / vapors / spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves / eye protection / face protection.

Safety Data Sheet Thread Devil



SDS Revision Date:

AUG 2024

Response:

IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air. Call a POISON CENTER or doctor / physician if you feel unwell. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If swallowed: Call a poison center or doctor/physician if you feel unwell. Rinse mouth. P308+313 IF exposed or concerned: Get medical advice / attention. Specific treatment (see information on this label). If skin irritation occurs: Get medical advice / attention. If eye irritation persists: Get medical advice / attention. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Take off contaminated clothing and wash before reuse.

Storage:

Store in a well-ventilated place. Keep cool. Store locked up.

Disposal:

Dispose of contents and/or container according to Federal, State/Provincial, and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. Composition/information on ingredients

| Hazardous Component(s) | CAS Number | Percentage* |
|-------------------------------------|-------------|-------------|
| Proprietary Elastomeric Pre-Polymer | Proprietary | 60 – 90 |
| Hydroxyethyl methacrylate | 868-77-9 | 40 - 10 |
| Saccharin | 81-07-2 | 1 - 5 |
| Cumene hydroperoxide | 80-15-9 | 1 - 3 |
| Amorphous Silica | 67762-90-7 | 5 - 15 |
| Cumene | 98-82-8 | 0.1 - 1 |
| 1-Acetyl-2-phenylhydrazine | 114-83-0 | 0.1 - 3 |

*Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. First aid measures

| | |
|----------------------|---|
| General | In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. |
| Inhalation: | Remove to fresh air, keep victim at rest in a comfortable breathing position. Get medical attention if irritation persists. |
| Skin contact: | Wash skin with soap and water. If irritation persists, call physician. |
| Eye contact: | Immediately flush with plenty of water for several minutes. Get medical attention if irritation persists. |
| Ingestion: | If swallowed DO NOT induce vomiting. Get medical attention if irritation persists. |
| Symptoms: | See Section 11. |

Safety Data Sheet

Thread Devil



SDS Revision Date:

AUG 2024

5. Fire fighting measures

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|---|--|
| Extinguishing media: | Carbon Dioxide, Dry Chemicals, Foam |
| Special firefighting procedures: | A self-contained breathing apparatus is required. |
| Unusual fire or explosion hazards: | Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers. |
| Hazardous combustion products: | Avoid breathing dust / fume / gas / mist / vapors / spray. |

6. Accidental release measures

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

| | |
|---|--|
| Unusual fire or explosion hazards: | Do not allow spills to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. |
| Hazardous combustion products: | DO NOT use cloth materials. In case of a leak or spill, flood area with water to polymerize the material. Soak up with inert absorbent. Ventilate area. Prevent product from entering drains. |

7. Handling and storage

| | |
|---------------------------------------|---|
| Handling: | Avoid contact with skin and eyes. Avoid breathing vapors. Handle containers carefully to prevent damage and spillage. Refer to Section 8. |
| Hazardous combustion products: | Store in a cool dry area, away from heat, sparks, and open flame. Keep containers sealed when not in use. Store out of direct sunlight. |

Safety Data Sheet Thread Devil



SDS Revision Date:

AUG 2024

8. Exposure controls and personal protection

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

| Hazardous Component(s) | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|-------------------------------------|-----------|------------|--------------|---------------------------|
| Proprietary Elastomeric Pre-Polymer | None | None | None | None |
| Hydroxyethyl methacrylate | None | None | None | None |
| Saccharin | None | None | None | None |
| Cumene hydroperoxide | None | None | 1 ppm (skin) | None |
| Amorphous Silica | None | None | None | None |
| Cumene | None | 50 ppm TWA | None | NIOSH - 50 ppm (skin) TWA |
| 1-Acetyl-2-phenylhydrazine | None | None | None | None |

Engineering controls:

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Respiratory protection:

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eye/face protection:

Protective safety glasses recommended.

Skin protection:

Use polyethylene gloves and aprons. DO NOT use cotton/cloth gloves.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. Physical and chemical properties

| | |
|------------------------------|--|
| Physical state: | Liquid |
| Color: | Red |
| Odor: | Mild |
| Odor threshold: | Not Measured |
| pH: | Not Measured |
| Vapor pressure: | Not Measured |
| Boiling point/range: | > 149 °C (> 300.2 °F) |
| Melting point/ range: | Not Measured |
| Specific gravity: | 1.1 at 23.9 °C (75.02 °F) |
| Vapor density: | Not Measured |
| Flash point: | > 93.3 °C (> 199.94 °F) Tagliabue closed cup |
| Flame projection: | Not Measured |

Safety Data Sheet Thread Devil



SDS Revision Date:

AUG 2024

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|---|--|
| Flammable/Explosive limits - lower: | Not Measured |
| Flammable/Explosive limits - upper: | Not Measured |
| Autoignition temperature: | Not Measured |
| Flammability: | Not Measured |
| Evaporation rate: | Not Measured |
| Solubility in water: | Insoluble |
| Partition coefficient (n-octanol/water): | Not Measured |
| VOC content: | 0.56 %; 6.17 g/l (California SCAQMD Method 316B) (Estimated) |
| Viscosity: | Not Measured |
| Decomposition temperature: | Not Measured |

10. Stability and reactivity

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|--|--|
| Stability: | Stable under normal circumstances. |
| Hazardous Reactions: | No data available. |
| Hazardous decomposition products: | Carbon oxides |
| Incompatible materials: | Strong oxidizing agents, Peroxides, Reducing agents. |
| Reactivity: | Hazardous Polymerization will not occur. |
| Conditions to avoid: | Excessive Heat. |

Safety Data Sheet Thread Devil



SDS Revision Date:

AUG 2024

11. Toxicological information

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Skin contact: Causes skin irritation. May cause allergic skin reaction.

Eye contact: Causes eye irritation.

Ingestion: May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|-------------------------------------|--|--------------------------------------|
| Proprietary Elastomeric Pre-Polymer | None | None |
| Hydroxyethyl methacrylate | Oral LD50 (mouse) = 3275 mg/kg Intraperitoneal LD50 (mouse) = 497 mg/kg Intravenous LDLo (dog) 99,200 nL/kg Oral LD50 (guinea pig) = 4680 mg/kg Oral LD50 (rat) = 5050 mg/kg | None |
| Saccharin | oral LD50 mouse = 17 gm/kg | None |
| Cumene hydroperoxide | Oral LD50 (rat) = 382 mg/kg Inhalation LD50 (rat) = 220ppm/4H Skin LD50 (rat) = 500 mg/kg Subcutaneous LD50 (rat) = 382 kg/kg oral LDLo (mouse) = 5 gm/kg | None |
| Amorphous Silica | None | None |
| Cumene | Inhalation TCLo (human) = 200ppm Oral LD50 (rat) = 1400 mg/lg Inhalation LCLo (rat) = 8000ppm/4H Oral LD50 (mouse) = 12,750 mg/kg Inhalation LC50 (mouse) = 10 gm/m3/7H | None |
| 1-Acetyl-2-phenylhydrazine | None | None |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|-------------------------------------|----------------|-----------------|--|
| Proprietary Elastomeric Pre-Polymer | No | No | No |
| Hydroxyethyl methacrylate | No | No | No |
| Saccharin | No | Group 3 | No |
| Cumene hydroperoxide | No | No | No |
| Amorphous Silica | No | No | No |
| Cumene | No | Group 2B | No |
| 1-Acetyl-2-phenylhydrazine | No | No | No |

Safety Data Sheet Thread Devil



SDS Revision Date:

AUG 2024

12. Ecological information

Ecological information: Toxic to aquatic life
Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|-----------------------------------|------------------------------|----------------------------|-------------------|
| Cumene Hydroperoxide CAS# 80-15-9 | 3.9:96 h Oncorhynchus mykiss | 7:24 h Daphnia magna | Not Available |
| Saccharin | 18300:96 Pimephales promelas | Not Available | Not Available |

13. Disposal considerations

Information provided is for unused product only.

Recommended method of disposal: Observe all federal, state and local regulations when disposing of this substance.
Hazardous waste number: None.

14. Transport information

The transport information provided in this section only applies to the material/formulation itself and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: Not regulated
Identification number: Not regulated
DOT Hazardous Substance(s): Not regulated

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: Not regulated
Identification number: Not regulated
Packing group: Not regulated

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: Not regulated
Identification number: Not regulated
Packing group: Not regulated

Safety Data Sheet Thread Devil



SDS Revision Date:

AUG 2024

15. Regulatory information

United States Regulatory Information

| | |
|---|---|
| TSCA 8 (b) Inventory Status: | Complies |
| TSCA 12 (b) Export Notification: | Complies |
| CERCLA/SARA Section 302 EHS: | None. |
| CERCLA/SARA Section 311/312: | Acute health hazard |
| CERCLA/SARA Section 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 reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. Cumene Hydroperoxide (CAS# 80-15-9). |
| CERCLA Reportable quantity: | Cumene Hydroperoxide (CAS# 80-15-9) 10lbs. Cumene (CAS# 98-82-8) 5,000lbs. |
| California Proposition 65: | Cumene - Cancer (04/06/2010) - Authoritative Bodies-National Toxicology Program |

Canada Regulatory Information

| | |
|------------------------------|--|
| CEPA DSL/NDSL Status: | Cumene (CAS# 98-82-8) 10 tons (20,000lbs) Cumene Hydroperoxide (CAS# 80-15-9) 10 tons (20,000lbs) |
|------------------------------|--|

| | |
|--------------------------|--|
| REACH Regulations | Cumene (CAS# 98-82-8) REACH Annex XVII CMRs Carcinogens: Category 1B |
|--------------------------|--|

16. Other information

This safety data sheet contains changes from the previous version in sections: Reviewed SDS. Reissued with new date.

Prepared by: Cory White - Small Business EHS

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**Safety Data Sheet
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