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| **1. Identification**  |

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| **1.1. Product identifier** |

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| **Product Identity** | **62 Red Anaerobic Adhesive** |   |
| **Alternate Names** | None |   |

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| **1.2. Relevant identified uses of the substance or mixture and uses advised against** |

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| **Intended use** | Thread Sealant See Technical Data Sheet. |   |
| **Application Method** | See Technical Data Sheet. |   |

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| **1.3. Details of the supplier of the safety data sheet** |

|  |  |
| --- | --- |
| **Company Name** | Adhesive R & D Inc. |
|   | 4603 Anderson Drive |
|   | Eau Claire, WI. 54703 |
|  |  |
|  |  |
| **Contact Telephone No.** | 1 (715) 832-4557 |
| **Customer Service: Adhesive R&D Inc.** |  |

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| **2. Hazard(s) identification**  |

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| **2.1. Classification of the substance or mixture** |

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| --- | --- |
| Acute Toxicity - Oral | Category 4 Carcinogenicity Category 2 |
| Acute Toxicity - Dermal | Category 4 Specific target organ toxicity Category 2 |
| Acute Toxicity - Inhalation | Category 4 |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage | Category 2A  |
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| **2.2. Label elements** |
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| GHS07 | GHS08 |

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| **Warning**  |

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| Harmful if swallowed |
| Causes skin irritation. |
| Causes serious eye irritation. |
| May cause respiratory irritation. |
| Suspected of causing cancer. |

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| **[Prevention]:**  |
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| P201 Obtain special instructions before use. |
| P202 Do not handle until all safety precautions have been read and understood. |
| P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking. |
| P261 Avoid breathing dust / fume / gas / mist / vapors / spray. |
| P264 Wash thoroughly after handling. |
| P271 Use only outdoors or in a well-ventilated area. |
| P280 Wear protective gloves / eye protection / face protection. |
| **[Response]:**  |
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| P302+352 IF ON SKIN: Wash with plenty of soap and water. |
| P304+312 IF INHALED: Remove victim to fresh air. Call a POISON CENTER or doctor / physician if you feel unwell. |
| P305+351+338 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. |
| P321 Specific treatment (see information on this label). |
| P332+313 If skin irritation occurs: Get medical advice / attention. |
| P337+313 If eye irritation persists: Get medical advice / attention. |
| P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P362 Take off contaminated clothing and wash before reuse. |
| **[Storage]:**  |
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| P403+235 Store in a well ventilated place. Keep cool. |
| P405 Store locked up. |
| **[Disposal]:**  |
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| P501 Dispose of contents / container in accordance with local / national regulations. |

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

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| This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. |

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| **Ingredient/Chemical Designations** | **Weight %** | **CAS #** | **Notes** |
| **Dimethacrylate Ester****Proprietary Plasticizer** | **30-50****20-30** | **Proprietary****Proprietary** | **[1]****[1]** |
| **PolyGlycol Dimethacrylate**  | **20-40** | **25852-47-5** | **[1]** |
| **Saccharin** **Cumene Hydroperoxide****Amorphous Silica****1-Acetyl-2-phenylhydrazine** | **1-5** **1-3****5-15****.1-3** | **81-07-2****80-15-9****67762-90-7****114-83-0** | **[1]****[1 ] [ 2]****[1]****[1]** |

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| [1] The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.[2] Substance classified with a health or environmental hazard. SARA section 313 toxic chemical. |

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| **4. First aid measures** |

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| **4.1. Description of first aid measures** |

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| **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. |
| **Eyes** | Immediately flush with plenty of water for several minutes. Get medical attention if irritation persists.  |
| **Skin** | Wash skin with soap and water. If irritation persists, call physician. |
| **Ingestion** | If swallowed DO NOT induce vomiting. Get medical attention if irritation persists. |

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| **5. Fire-fighting measures** |

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| **5.1. Extinguishing media** |

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| Carbon Dioxide, Dry Chemicals, Foam |

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| **5.2. Special hazards arising from the substance or mixture**None |

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| Avoid breathing dust / fume / gas / mist / vapors / spray. |

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| **5.3. Advice for fire-fighters** |

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| A self-contained breathing apparatus is required.  |

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| **6. Accidental release measures** |

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| **6.1. Personal precautions, protective equipment and emergency procedures** |

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| Put on appropriate personal protective equipment (see section 8). |

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| **6.2. Environmental precautions** |

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| 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. |

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| **6.3. Methods and material for containment and cleaning up** |

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| 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. |

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| **7. Handling and storage** |

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| **7.1. Precautions for safe handling** |
| Avoid contact with skin and eyes. Avoid breathing vapors. |
| See section 2 for further details. - [Prevention]:  |

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| **7.2. Conditions for safe storage, including any incompatibilities** |
| Handle containers carefully to prevent damage and spillage. |
| 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. |
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| See section 2 for further details. - [Storage]:  |

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| **7.3. Specific end use(s)** |
| No data available. |

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| **8. Exposure controls and personal protection** |

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| **Exposure controls** |    |
| **Respiratory** | If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.    |
| **Eyes** | Protective safety glasses recommended   |
| **Skin** | 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.    |

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| See section 2 for further details. - [Prevention]:  |

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| **9. Physical and chemical properties** |

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| **Appearance** | Red Liquid  |   |
| **Odor** | Mild |   |
| **Odor threshold** | Not Measured  |   |
| **pH**  | Not Measured   |   |
| **Melting point / freezing point**  | Not Measured  |   |
| **Initial boiling point and boiling range**  | Greater than 300 F  |   |
| **Flash Point** |  Greater than 200 F (TCC)  |   |
| **Evaporation rate (Ether = 1)** | Not Measured  |   |
| **Flammability (solid, gas)** | Not Applicable  |   |
| **Upper/lower flammability or explosive limits** | **Lower Explosive Limit:** Not Measured  |   |
|  | **Upper Explosive Limit:** Not Measured   |   |
| **Vapor pressure (Pa)** | Not Measured  |   |
| **Vapor Density** | Not Measured  |   |
| **Specific Gravity** | 1.1  |   |
| **Solubility in Water** | Insoluble  |   |
| **Partition coefficient n-octanol/water (Log Kow)** | Not Measured  |   |
| **Auto-ignition temperature**  | Not Measured  |   |
| **Decomposition temperature** | Not Measured  |   |
| **Viscosity (cSt)** | Not Measured   |   |

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| **9.2. Other information** |
|  No other relevant information. |

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| **10. Stability and reactivity** |

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| **10.1. Reactivity** |
| Hazardous Polymerization will not occur. |
| **10.2. Chemical stability** |
| Stable under normal circumstances. |
| **10.3. Possibility of hazardous reactions** |
| No data available. |
| **10.4. Conditions to avoid** |
| Excessive Heat. |
| **10.5. Incompatible materials** |
| Strong oxidizing agents, Peroxides, Reducing agents. |
| **10.6. Hazardous decomposition products** |
| Carbon oxides  |

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| **11. Toxicological information** |

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| **Acute toxicity** |
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| **Likely routes of exposure****Ingredient** | **Oral LD50, mg/kg** | **Skin LD50, mg/kg** | **Inhalation Vapor LC50, mg/L/4hr** |  |  |
| Cumene Hydroperoxide CAS # 80-15-9 | =382 mg/kg (RAT)    | =0.126 mL/kg (Rabbit)    | =220ppm (RAT) 4hr     |  |  |
| **Carcinogenicity Table****Ingredient** | **ACGIH** | **IARC** | **NTP** | **OSHA** |  |
| SACCHARIN Cas# 81-07-02 |  | Group 3 |  |  |  |

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| **12. Ecological information** |

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| **12.1. Toxicity** |
| Toxic to aquatic life |
| **Aquatic Ecotoxicity** |
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| --- | --- | --- | --- |
| **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     |
|  |    |    |    |

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| **12.2. Persistence and degradability** |
| There is no data available on the preparation itself. |
| **12.3. Bioaccumulative potential** |
| Not Measured |
| **12.4. Mobility in soil** |
| No data available. |
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| **12.5. Other adverse effects** |
| No data available. |

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| **13. Disposal considerations** |

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| **13.1. Waste treatment methods** |
| Observe all federal, state and local regulations when disposing of this substance. |

Chemical Name: **Cumene Hydroperoxide** CAS # 80-15-9 RCRA-U Series Wastes [ **U096**]

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| **14. Transport information** |

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|   | **DOT (Domestic Surface Transportation)** | **IMO / IMDG (Ocean Transportation)** | **ICAO/IATA** |
|   | Not regulated Not regulated Not regulated |

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| **15. Regulatory information** |

**International Inventories**

|  |  |
| --- | --- |
| **TSCA****DSL/NDSL****EINECS/ELINCS****ENCS****IECSC****KECL****PICCS****AICS** | CompliesCompliesDoes Not ComplyCompliesCompliesCompliesComplies |
| **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 reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372 |  |

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| **Chemical Name SARA 313 - Threshold Values %**

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| --- | --- |
| **Cumene Hydroperoxide CAS# 80-15-9** | **1.0** |
| **Saccharin CAS# 81-07-2** | **1.0** |

 |  |  |
| **SARA 311/312 Hazard Categories****Acute health hazard Yes****Chronic health hazard No****Fire hazard No****Sudden release of pressure No****Reactive hazard No****CWA (Clean Water Act)**This product does not containd any substance regulated as pollutants to the Clean Water Act (40CFR 122.21 and 40 CFR122.42**CERCLA**This product contains one or more substances regulated under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)**Chemical name Haz. Sub. RQs CERCLA/SARA RQ Reportable Qnty (RQ)**

|  |  |  |  |
| --- | --- | --- | --- |
| Cumene HydroperoxideCAS 80-15-9 | 10 lb | - | RQ 10lb final RQRQ 4.54kg final RQ |

**California Prop 65**

|  |  |
| --- | --- |
|  Titanium Dioxide 13463-67-7 | Carcinogen |

**U.S. State Right to Know Regulations**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **New Jersey** | **Massachusetts** | **Pennsylvania** |
| **Cumene Hydroperoxide** **80-15-9** | **X** | **X** | **X** |
| **Saccharin 81-07-2** | **X** | **X** | **X** |
| **Titanium Dioxide****13463-67-7** | **X** | **X** | **X** |
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| **US EPA Label Information**To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.  |

**NFPA Health Hazards 2 Flammability 1 Instability 0**

**HMIS Health Hazards 2 Flammability 1 Physical hazards 0 Personal Protection B**

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| **16. Other information** |

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| **This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.** |

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