

# Material Safety Data Sheet

Hazardous Materials Information System (HMIS) Ratings

Health = 2      Flammability = 1      Reactivity = 1      Protective Equipment = C

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## Section 1. Chemical product and company identification

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**Material Number:** 1430872

**Material Description:** IDS-PR-604 Jetable Adhesion Promoter

**24 Hour Emergency Phone:** 800.424.9300 CHEMTREC 24 Hour Spill and Emergency (+1 703 527 3887 Worldwide)

**Product Safety (EHS) Phone:** 630.382.1800 x1450

## Section 2. Hazards Identification

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**Physical state:** liquid

**OHSA/HCS Classification:** Oxidizing material, Flammable liquid, Toxic material, Irritating material, Target organ effects

**Emergency overview:** WARNING! FLAMMABLE LIQUID AND VAPOR. CAUSES EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. Flammable liquid. Severely irritating to the eyes and skin. Defatting to the skin. May cause sensitization by skin contact. Keep away from heat, sparks and flame. Do not breathe vapor or mist. Do not get in eyes or on skin or clothing. Contains material that can cause target organ damage. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

### Potential acute health effects

**Skin contact:** Harmful in contact with skin. Irritating to skin. May cause sensitization by skin contact.

**Inhalation:** Toxic by inhalation. Slightly irritating to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion:** Harmful if swallowed. Corrosive to the digestive tract. Causes burns.

### Potential chronic health effects

**Chronic effects:** Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Fertility effects:** No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Eye/face:** Adverse symptoms may include the following: pain or irritation watering redness

**Skin:** Adverse symptoms may include the following: irritation redness

**Inhalation:** Adverse symptoms may include the following: respiratory tract irritation coughing

**Ingestion:** Adverse symptoms may include the following: stomach pains

**Medical conditions aggravated by over-exposure:** Pre-existing skin disorders may be aggravated by over-exposure to this product.

**Section 3. Composition / Information on Hazardous Ingredients**

Chemical name	CAS #	Weight %
Multi-functional Monomer		40.0000 – 70.0000
Monofunctional Monomer		15.0000 – 40.0000
Monofunctional Monomer		7.0000 – 13.0000
1-Vinylhexahydro-2H-azepin-2-one	2235-00-9	3.0000 – 7.0000
Amine Modified Acrylate Oligomer		1.0000 – 5.0000
Diacrylate Monomer		1.0000 – 5.0000
bis(2-ethylhexyl) maleate	142-16-5	1.0000 – 5.0000

**Section 4. First aid measures**

**Eye contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

**Inhalation:** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

**Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Notes to physician:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

## Section 5. Fire-fighting measures

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**Flash point:** Not Measured. Material is not expected to flash.

**Fire hazard:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Extinguishing media (Suitable):** Use an extinguishing agent suitable for the surrounding fire.

**Extinguishing media (Not suitable):** None known.

**Hazardous combustion products:** Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides

## Section 6. Accidental release measures

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**Personal precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

**Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Large spill:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

**Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

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**Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

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**Monitoring methods and references:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures:** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Protective Equipment

**Respiratory:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection

must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## Section 9. Physical and chemical properties

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State of Matter	Liquid		
Color	Colorless		
Density	1.007 g/cm <sup>3</sup> 8.4 lb/gal 1007 g/l		
Flash point	Not Measured. Material is not expected to flash.		
Volatile.	0.01 %(m) Weight %	0.01 %(V) Volume %	
VOC %	0.01 %(m) Weight %	0.01 %(V) Volume %	
Coating VOC	0 lb/gal	0 g/l	

## Section 10. Stability and reactivity

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**Stability:** The product is stable.

**Conditions to avoid:** No specific data.

**Materials to avoid:** No specific data.

**Decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

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Chemical name	Test	Species	Dose	Exposure
Multi-functional Monomer	Oral Toxicity dataLD50	Rat	5,620 mg/kg	

## Section 12. Ecological information

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**Environmental effects:** No known significant effects or critical hazards.

**Fate and pathway:** No known significant effects or critical hazards.

<b>Aquatic ecotoxicity</b>
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Chemical Name	Test	Result	Species	Exposure
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### **Section 13. Disposal considerations**

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**Disposal considerations:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### **Section 14. Transport information**

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Regulatory Information	Proper Shipping Name	UN-Number	Hazard Classification	Packing group Additional Information
DOT Classification	Not Restricted			-
ADN/ADNR	Not Restricted			-
ADR	Not Restricted			-
IATA	Not Restricted			-
IMDG	Not Restricted			-

### **Section 15. Regulatory information**

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#### **International regulations**

**Australia inventory (AICS):** Not determined.

**China inventory (IECSC):** Not determined.

**Japan inventory:** Not determined.

**Korea inventory:** All components are listed or exempted.

**New Zealand Inventory of Chemicals (NZIoC):** Not determined.

**Philippines inventory (PICCS):** Not determined.

**Canada. Canadian Environmental Protection Act, 1999 Part 5 Sec. 66 (1):** Not determined.

**US. Toxic Substances Control Act as amended 15 U.S.C. 2606 Sec. 8 (b):** All components are listed or exempted.

**United States Regulation**

**SARA 302/304/311/312 extremely hazardous substances**

No products were found.

**SARA 302/304 emergency planning and notification**

No products were found.

**SARA 302/304/311/312 hazardous chemicals**

No products were found.

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**

Multi-functional Monomer : Monofunctional Monomer : Monofunctional Monomer : Amine Modified Acrylate Oligomer

**SARA 313 - Form R - Reporting requirements**

Monofunctional Monomer :

**SARA 313 - Supplier Notification**

Monofunctional Monomer :

**California Prop. 65**

WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Toluene : 108-88-3

HAP (if present above 0.1% by weight)	CASRN	Weight %	Density (lb/gal)
Monofunctional Monomer		19.3335	8.33 lb/gal

**Section 16. Other information**

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Disclaimer: The information provided herein is presented in good faith and complies with the OSHA Hazard Communication Standard, 29 CFR 1910.1200 (g). Nothing contained herein constitutes a specification nor does it guarantee warranty for said product.