



Material Safety Data Sheet

Identity - A WATERBASED LIQUID ADHESIVE

Product #

Universal Carbonless Fan Apart

*Section 1: Chemical Product and Company Identification

Manufacturer's name:

HAR Adhesive Technologies

Emergency Telephone Number:

Chem Trec 800-424-9300

Address:

60 South Park Avenue Bedford, Ohio 44146

Today's Date:

9/25/2013

Signature of Preparer

Department of Health and Safety

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Unlisted ingredients are not hazardous per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for any additional exposure limit guidelines.

| <u>Chemical Name</u> | <u>CAS #</u> | <u>PERCENT</u> | <u>OSHA PEL</u> |
|-------------------------|--------------|----------------|-----------------|
| Denatured Ethyl Alcohol | 64-17-5 | < 15% | 1,000 PPM |

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS RATING: HEALTH -- 1 FLAMMABILITY -- 2 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

POTENTIAL HEALTH EFFECTS FROM ROUTE OF ENTRY

EYE: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

SKIN: Can cause minor skin irritation, defatting, and dermatitis

Component(s) may be absorbed through intact skin, but is unlikely that harmful effects will occur unless contact is prolonged, repeated and extensive.

INHALATION: No irritation hazard in normal industrial use

Inhalation of high concentrations may result in ventral nervous system (CNS) effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination.

INGESTION: Ingestion is not anticipated route of exposure. Harmful if swallowed. Irritating to mouth, throat, and stomach

LONG-TERM (CHRONIC) HEALTH EFFECTS

TARGET ORGAN(S): No organs known to be damaged from exposure to this product.

REGULATED CARCINOGEN STATUS: Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH or OSHA listed carcinogens

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: No medical conditions affected by exposure.

SECTION 4: FIRST AID MEASURES

IF IN EYES: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to uncontaminated eye. Get immediate medical attention.

IF ON SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

IF VAPORS INHALED: Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

IF SWALLOWED: Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: T.C.C. 110F

AUTO IGNITION TEMPERATURE: Not established

LOWER EXPLOSIVE LIMIT (% in air): Not established

UPPER EXPLOSIVE LIMIT (% in air): Not established

EXTINGUISHING MEDIA: Use water spray, foam, dry chemical or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS: There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Persons exposed to products of combustion should wear self contained breathing apparatus and full protective equipment.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, Carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION: Clean up of spilled material may be irritating. Follow personal protective equipment recommendations found in Section 8 of this MSDS.

CLEAN-UP: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7: HANDLING AND STORAGE

Handling: Moderately irritating material. Use only in well ventilated area. Wash thoroughly after handling. Keep container closed. Empty container retains vapor and product residue.

Storage: Store in a cool, ventilated location. Keep container closed.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Wear safety glasses when handling this product. Have an eye wash station available.

SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves.

GLOVES: Not normally required.

RESPIRATORY PROTECTION: No respirator protection required under normal conditions of use. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

VENTILATION: Use local exhaust ventilation when practical.

EXPOSURE LIMITS:

Chemical Name

Denatured Ethyl Alcohol

ACGIH EXPOSURE LIMITS

TW F 1,000 PPM

AIHA WEEL

Not Established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------------|-------------------|
| PHYSICAL STATE: | Liquid |
| COLOR: | White |
| ODOR: | Alcohol |
| ODOR THRESHOLD: | Not established |
| WEIGHT PER GALLON (lbs.): | Approximately 8.2 |
| SPECIFIC GRAVITY: | Approximately 1.1 |
| BOILING POINT (deg. C): | Not established |
| FREEZING/MELTING POINT (deg. C): | Not established |
| VAPOR PRESSURE (mm Hg): | Not established |
| VAPOR DENSITY: | Not established |
| EVAPORATION RATE: | Not established |
| OCTANOL/WATER COEFFICIENT: | Not established |

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CHEMICAL INCOMPATIBILITY: Not established

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

CHEMICAL NAME

LD50/LC50

TOXICOLOGY SUMMARY: No additional health information available.

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. For assistance with your waste management needs contact HAR Adhesive Technologies at 440-786-7185

SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

DOT: NOT REGULATED.

IATA: NOT REGULATED.

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

CANADIAN CEPA DSL: This product is in compliance with the Canadian Domestic Substance List requirements.

EUROPEAN EINECS: This product is in compliance with European Inventory of Notified and Existing Chemical Substance requirements.

If you need more information about the inventory status of this product call 440-786-7185.

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at 440-786-7185.

FEDERAL REPORTING

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 72. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

CHEMICAL NAME**CAS# %**

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

SECTION 16: ADDITIONAL INFORMATION

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Prepared by: Department of Health and Safety

Phone: 440-786-7185

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