

M A T E R I A L S A F E T Y D A T A S H E E T

URETHANE HARDENER COATING ADDITIVE

PRODUCT NAME: URETHANE HARDENER COATING ADDITIVE
PRODUCT CODE: COAT ADD

HMIS CODES: H F R P
2 3 0 X

=====**SECTION I - MANUFACTURER IDENTIFICATION**=====

MANUFACTURER'S NAME: RILEY PAINT COMPANY
ADDRESS : 860 WASHINGTON
BURLINGTON, IOWA
52601

EMERGENCY PHONE : 1-800-424-9300 DATE PRINTED : 05/31/00
INFORMATION PHONE : 319-753-0105 NAME OF PREPARER : Riley Paint Company

=====**SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION**=====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
HOMOPOLYMER OF HDI	28182-81-2	10.00000 68.00000	50
* XYLENE/DIMETHYLBENZENE OSHA PEL: 100, ACGIH TLV: 100, OTHER: 150 STEL	1330-20-7	7.00000 68.00000	50

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
N/A

=====**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**=====

BOILING RANGE: 279 deg F SPECIFIC GRAVITY (H2O=1): 0.96
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
COATING V.O.C.: 4.98 lb/gl MATERIAL V.O.C.: 4.98 lb/gl
SOLUBILITY IN WATER: insoluble
APPEARANCE AND ODOR: Liquid coating/solvent odors

=====**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**=====

FLASH POINT: 81 deg F METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.00000 UPPER: 7.60000

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. RED LABEL - FLAMMABLE LIQUID

UNUSUAL FIRE AND EXPLOSION HAZARDS

Should be stored in tightly closed containers away from heat, electrical equipment, sparks and open flame.

=====**SECTION V - REACTIVITY DATA**=====

STABILITY: STABLE
CONDITIONS TO AVOID

Elevated temperatures and open containers.

INCOMPATIBILITY (MATERIALS TO AVOID)

Avoid strong oxidizing materials

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

May produce hazardous fumes when heated to decomposition as in welding. Fumes may contain carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== **SECTION VI - HEALTH HAZARD DATA**=====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Anesthetic irritation of the respiratory tract or acute nervous system depression characterized by dizziness, staggering and confusion.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Severe irritant, redness, tearing and blurred vision. Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

PENETRATES SKIN READILY. FREQUENT OR WIDESPREAD CONTACT MAY RESULT IN ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS WHICH CAN CAUSE DAMAGE TO KIDNEYS, LIVER, BLOOD AND/OR BONE MARROW.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute-Anesthetic irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering, confusion. Skin or eye contact: Primary irritant. Chronic-Extensive and continued overexposure may result in respiratory or skin sensitivity.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: Y

WHEN HANDLED PROPERLY, NO ACUTE OR LONG TERM HAZARD IS EXPECTED

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES

Remove to fresh air. Wash skin contact area with soap and water. Flush eyes with water and report to a physician immediately.

===== **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and nonsparking tools.

WASTE DISPOSAL METHOD

Dispose in accordance with local, state and federal regulations. Incinerate in approved facility. Do not incinerate closed containers.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contains Solvent. Keep away from heat, sparks, open flames. Use with adequate ventilation. Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated skin contact. Do not leave containers open.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact with skin, ground all containers when pouring. Keep away from open flames.

===== **SECTION VIII - CONTROL MEASURES**=====

RESPIRATORY PROTECTION

M A T E R I A L S A F E T Y D A T A S H E E T
URETHANE HARDENER COATING ADDITIVE

Page:

In restricted areas, use approved chemical mechanical filters to remove gas and vapors. In a confined area, use approved airline type respirators or hoods.

VENTILATION

Local exhaust is preferable; however, general mechanical is acceptable. Sufficient ventilation, in volume and pattern, should be provided to keep the vapor concentration below applicable OSHA requirements.

PROTECTIVE GLOVES

Use neoprene gloves to prevent skin contact.

EYE PROTECTION

Use chemical goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Safety showers and eyewash fountains

WORK/HYGIENIC PRACTICES

Wash hands before eating or using washroom. Smoke in smoking areas only.

===== SECTION IX - TRANSPORTATION INFORMATION =====

PAINT,3,UN1263 RED LABEL - FLAMMABLE LIQUID

===== SECTION X - DISCLAIMER =====

The information in this MSDS and environmental data sheet was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness.