

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

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : KURE-N-SEAL 25  
 IDENTIFICATION NUMBER: 11-510 DATE PRINTED: 02/21/00  
 PRODUCT USE/CLASS : Coating

SUPPLIER: MANUFACTURER:  
 ChemRex Inc.  
 Commercial Construction  
 Products Division  
 889 Valley Park Drive  
 Shakopee, MN 55379

EMERGENCY TELEPHONE: EMERGENCY TELEPHONE: (800)424-9300  
 24 HRS A DAY 7 DAYS A WEEK

PREPARER: Scott Shinn, PHONE: 612-496-6000, PREPARE DATE: 02/21/00

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	xylene	1330-20-7	5.0 %
02	Naphtha-light aromatic	64742-95-6	50.0 %
03	1,2,4 Trimethyl Benzene	95-63-6	25.0 %
04	cumene	98-82-8	5.0 %

ITEM	EXPOSURE LIMITS					
	ACGIH		OSHA		COMPANY	SKIN
TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA		
01	100 ppm	150 ppm	435 mg/m3	N.E.	N.E.	NO
02	N.E.	N.E.	435 mg/m3	N.E.	N.E.	NO
03	123 mg/m3	N.E.	125 mg/m3	N.E.	N.E.	NO
04	246 mg/m3	N.E.	245 mg/m3	N.E.	N.E.	YES

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDOUS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). May cause irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Headaches, dizziness, nausea,

SECTION 3 - HAZARDS IDENTIFICATION
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decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor. Prolonged inhalation may be harmful.

EFFECTS OF OVEREXPOSURE - INGESTION: Moderately toxic.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Chronic overexposure to xylene may cause damage to the formed elements of blood [e.g., red cells, which carry oxygen]. Reports indicate that repeated and prolonged overexposure of the eyes to xylene vapor may cause corneal injury. No known components of this product are listed as known or suspected carcinogens per NIOSH, NTP, IARC, or OSHA. This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents (a process often called "sniffing") may be harmful or fatal.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION INGESTION

SECTION 4 - FIRST AID MEASURES
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FIRST AID - EYE CONTACT: Flush eye with water for 15 minutes. Get medical attention.

FIRST AID - SKIN CONTACT: Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into lungs.

SECTION 5 - FIRE FIGHTING MEASURES
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FLASH POINT: 104 F

LOWER EXPLOSIVE LIMIT: 0.9 %

UPPER EXPLOSIVE LIMIT: 7.0 %

AUTOIGNITION TEMPERATURE: N.E.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire produces irritating or poisonous gas. Vapors can travel to a source of ignition and flash back. "Empty"

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SECTION 5 - FIRE FIGHTING MEASURES
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containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; CONTAINERS MAY EXPLODE AND CAUSE INJURY OR DEATH. Solid stream of water or foam may cause frothing.

SPECIAL FIREFIGHTING PROCEDURES: May be ignited by heat, sparks or flame. Containers exposed to fire should be kept cool with water spray. Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate the area and remove all sources of ignition. Evacuate unnecessary personnel. Large spills should be handled carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled liquid. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING AND STORAGE
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HANDLING: Use only in a well ventilated area. Keep out of reach of children. Ground and bound containers when transferring material.

STORAGE: Do not store in direct sunlight. Keep away from heat, sparks and flame. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION
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ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.

OTHER PROTECTIVE EQUIPMENT: Where contact is likely, wear chemical resistant gloves, chemical safety goggles with a face shield, and clean protective clothing to cover arms and legs to keep exposure to a minimum.

HYGIENIC PRACTICES: Do not take internally. Wash thoroughly after

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION
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handling. Remove contaminated clothing and wash before reuse. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
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BOILING RANGE	: 279 - 340 F	VAPOR DENSITY	: Is heavier than air
ODOR	: Medium solvent	ODOR THRESHOLD	: N.E.
APPEARANCE	: Clear liquid	EVAPORATION RATE:	Is faster than Butyl Acetate
SOLUBILITY IN H2O	: Negligible <0.1%		
FREEZE POINT	: N.E.	SPECIFIC GRAVITY:	0.9046
VAPOR PRESSURE	: N.E.	pH @ 0.0 %	: N.E.
PHYSICAL STATE	: Liquid	VISCOSITY	: N.E.
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.E.			

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY
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CONDITIONS TO AVOID: Long term exposure to elevated temperatures.

INCOMPATIBILITY: Avoid contact with oxidizing material.

HAZARDOUS DECOMPOSITION PRODUCTS: Acrid fumes. Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES
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PRODUCT DERMAL LD50: No Information      PRODUCT ORAL LD50: No Information  
 PRODUCT LC50: No Information

COMPONENT TOXICOLOGICAL INFORMATION:

----- CHEMICAL NAME -----	-- DERMAL LD50 --	--- ORAL LD50 ---	----- LC50 -----
xylene	>3.95 g/kg	4.3 g/kg	6700 ppm/4H
Naphtha-light aromatic	>4 ml/kg	4.7 g/kg	>3670 ppm/8H
1,2,4 Trimethyl Benzene	No Information	12.7 gm/kg	18 gm/m3/4H
cumene	12300 ul/kg	1400 mg/kg	No Information

SECTION 12 - ECOLOGICAL INFORMATION
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ECOLOGICAL INFORMATION: No Information.

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SECTION 13 - DISPOSAL CONSIDERATIONS
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DISPOSAL METHOD: Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures.

SECTION 14 - TRANSPORTATION INFORMATION
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DOT PROPER SHIPPING NAME: Combustible liquid, n.o.s.

DOT TECHNICAL NAME: Light Aromatic Naptha, 1,2,4-Trimethylbenzene

DOT HAZARD CLASS: COMBUSTIBLE LIQUID                      HAZARD SUBCLASS: N.A.

DOT UN/NA NUMBER: NA 1993                      PACKING GROUP: III                      RESP. GUIDE PAGE:

DOT PLACARD AT: N.A.

DOT CLASS NUMBER: N.A.

UN PROPER SHIPPING NAME: Paint

UN HAZARD CLASS: 3

UN CLASS NUMBER: AIR 3                      MARINE 3.3

HAZARD SUBCLASS: AIR N.A.                      MARINE N.A.

UN UN/NA NUMBER: UN 1263                      UN PACKING GROUP: AIR III                      MARINE III

UN PLACARD AT: 1001 lbs.

SECTION 15 - REGULATORY INFORMATION
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U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD    CHRONIC HEALTH HAZARD    FIRE HAZARD

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SECTION 15 - REGULATORY INFORMATION
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## SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT %	IS LESS THAN
xylene	1330-20-7		5.0 %
1,2,4 Trimethyl Benzene	95-63-6		25.0 %
cumene	98-82-8		5.0 %

## TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
None known.	

U.S. STATE REGULATIONS: AS FOLLOWS -

## CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME -----	CAS NUMBER
No Proposition 65 chemicals exist in this product.	

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

SECTION 16 - OTHER INFORMATION
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HMIS RATINGS - HEALTH: 2      FLAMMABILITY: 2      REACTIVITY: 0  
PERSONAL PROTECTION: G

PREVIOUS MSDS REVISION DATE: New

VOLATILE ORGANIC COMPOUNDS (VOCs): 5.69 lbs/gal,    682 grams/ltr

LEGEND: N.A. - Not Applicable, N.E. - Not Established,  
N.D. - Not Determined

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<END OF MSDS>