

MATERIAL SAFETY DATA SHEET

For chemicals, coatings and related materials

DATE :	SUPERSEDES	PREPARED BY:
March 4, 1994	August 16, 1993	Mark Horton, (612) 496-6027
Manufacturer		
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Distributor		
NAME: ADDRESS: ADDRESS: ADDRESS: ADDRESS:		
PHONE:		

Section I - Product	
NUMBER: 11-496 NAME: Kure N Seal 0800 CLASS : Coating CAS NUMBER: none - mix	H M I S Hazard Codes Health: 2 Moderate Flammability: 3 Serious Reactivity: 0 Minimal Personal Protective Equipment: G

Section II - Hazardous Ingredients				
Ingredient: Material Description	Percent by Weight	C.A.S. Registry Number	LEL	Vapor Pressure [mm Hg at 20 deg C]
Ethyl benzene*	10-15	100-41-4	1	10
Xylene*	65-75	1330-20-7	1	25
* Reportable under SARA Title 313, Section III				

Section III - Physical Data			
Boiling Range:	> 284 deg F	Freezing Point:	No data
Vapor Pressure:	22 mm Hg at 77 deg F	Vapor Density:	Heavier than air.
Specific Gravity:	0.90	H2O Soluble:	Slight [<0.1 %]
Evaporation Rate(relative to n-butyl acetate)	Slower	% Volatile by Volume:	80-85
pH:	N/A	Odor Threshold:	no data
Appearance and Odor:	Clear thin liquid	Strong solvent odor.	

Section IV - Fire and Explosion Hazard Data			
FLASH POINT: (Method Used)	80 deg F [TCC]	EXPLOSIVE LIMITS: LEL	1
		(%V in air) UEL	7
AUTOIGNITION TEMP:	no data	METHOD:	N/A

Section IV - Fire and Explosion Hazard Data			
OSHA FLAMMABILITY CLASSIFICATION	Class I C Flammable liquid		
EXTINGUISHING MEDIA:	Water Spray (Fog), Foam, Dry Chemical or Carbon Dioxide.		
SPECIAL FIRE FIGHTING PROCEDURES	Fire Fighters must wear self contained breathing apparatus or air masks.	Containers exposed to fire should be kept cool with water spray.	A water stream directed into the fire may cause frothing with subsequent spread of fire
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Closed containers may explode due to build up of pressure when exposed to heat.	Thermal decomposition or combustion of product may generate irritating and/or toxic gases.	Vapor is heavier than air and may travel along the ground or floor and be ignited at locations distant from the source.

Section V - Toxicological Information							
Ingredient Material Description	PEL [mg/m3]	TLV STEL [mg/m3]	TLV[twa]		LD50 [mg/kg]		LC50 (ppm) Rat INHAL
			mg/m3	ppm	RAT [oral]	RABBIT [dermal]	
Ethylbenzene	100 ppm	125 ppm	434	100	3500	5000	> 4000 ppm/1 hr
Xylene	100 ppm	150 ppm	430	150	5000	N/A	5000 ppm/4 hr

Section VI - Health Hazard Data and Emergency/first Aid Procedures	
THRESHOLD LIMIT VALUES: See Section V	
ACUTE OVEREXPOSURE INFORMATION	
EYES: Moderate irritant. May cause reversible corneal injury.	
SKIN: Moderate irritant. May cause dermatitis and allergic responses.	
INHALATION: Avoid inhaling. The product can produce central nervous system depression, and cause headaches, drowsiness and lack of coordination.	
INGESTION: May cause nausea and vomiting. No specific effects known.	
NOTE: Preexisting respiratory or skin condition(s) may be aggravated by exposure.	
CHRONIC OVEREXPOSURE INFORMATION:	
1) No known quantities of the components of this product are listed as known or suspected carcinogens per NTP, IARC, or OSHA.	
2) This product contains xylene. Chronic overexposure to xylene may cause damage to the formed elements of the 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.	
3) This product contains solvents [xylene and ethylbenzene]. 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.	
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Any pre-existing respiratory or skin condition.	
EMERGENCY AND FIRST AID PROCEDURES:	
EYES:	Flush the eyes with plenty of water for at least 15 minutes. If necessary, gently hold the eyelids open during the flush. Obtain immediate medical attention.
SKIN:	Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water.
INHALATION:	Move the victim into fresh air. If the victim has difficulty breathing, administer oxygen. Administer artificial respiration if the victim is not breathing. Obtain immediate medical attention.

Section VI - Health Hazard Data and Emergency/first Aid Procedures

INGESTION: Obtain immediate medical attention. Do not induce vomiting. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs.

Section VII - Reactivity Data

STABILITY: Stable

STABILITY CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH): Strong bases or acids.

HAZARDOUS DECOMPOSITION PRODUCTS: fumes, smoke. Aldehydes, phenols, and acids from incomplete combustion.

HAZARDOUS POLYMERIZATION: None.

Section VII - Spill or Leak Procedures

STEPS FOR MATERIAL SPILLAGE:

Ventilate the area and remove all sources of ignition. Evacuate unnecessary personnel. Wipe up small spills with rags or towels. Put spent rags or towels in loosely covered containers in a well-ventilated area. Large spills should be handled carefully. Put on respiratory protection. Dike or impound spilled liquid. Cover the spill with absorbent compound [e.g., vermiculite, clay, or sand]. Use non-sparking tools to sweep or shovel into containers. Cover loosely and remove to a well-ventilated waste area. Repeat sorbent/sweep cycle until the spill has dried up. Rinse the spill area thoroughly with water. Flush the rinsings to the sanitary sewer or soak them up with absorbent material. Do not discharge undiluted product to the sanitary sewer. Do not discharge the product or cleanup wastes to lakes, streams, ponds, or sewer. Avoid contact with eyes and skin.

WASTE DISPOSAL METHODS:

Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures. Do not incinerate closed containers.

Section IX - Special Protection Information

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.

VENTILATION: Use local exhaust [e.g., open windows, fans] as needed to keep vapor/dust levels below recommended limits.

PROTECTIVE EQUIPMENT: wear chemically resistant gloves [Natural rubber, supported PVA, neoprene, nitrile], eye goggles, and clean protective clothing to cover arms and legs and keep exposure to a minimum.

Section X - Special Precautions

HANDLING AND STORAGE PRECAUTIONS

DO NOT USE UNTIL ALL BYSTANDERS HAVE BEEN WARNED OF PRODUCT HAZARDS

KEEP AWAY FROM EXTREME HEAT AND OPEN FLAMES

AVOID CONTACT WITH EYES, CLOTHING, AND SKIN

KEEP CONTAINER CLOSED WHEN NOT IN USE

KEEP OUT OF REACH OF CHILDREN

DO NOT TAKE INTERNALLY

AVOID BREATHING VAPORS, ESPECIALLY THOSE IN THE TOP OF THE SHIPPING CONTAINER.

USE WITH ADEQUATE VENTILATION

Section XI - Regulatory Data

VOC CONTENT: 738.0 g/L excluding water and exempt compounds.

CALIFORNIA PROPOSITION 65:

This product does not knowingly contain any materials listed by the State of California as known to cause cancer, birth defects, or other reproductive harm.

Section XI - Regulatory Data

TRANSPORTATION

	DOT	UN
HAZARD CLASS :	Flammable liquid	Flammable liquid
UN/NA NUMBER :	UN1263	UN1263
SHIPPING NAME:	Paint [contains xylene, ethyl benzene]	Paint [contains xylene, ethyl benzene]
PLACARD AT	1000 lbs	N/A
CLASS NUMBER :	3	AIR: 3 MARINE: 3
SUBSID. RISK :	N/A	AIR: N/A MARINE: N/A
PACKING GROUP:	II	AIR: II MARINE: II

REPORTING

CERCLA REPORTABLE QUANTITY: 1220 lbs. As Waste: 100 lbs
SARA SECTION 304 EMERGENCY RESPONSE REPORTABLE QUANTITY: 1220 lbs
SARA SECTION 311/312 INVENTORY REPORTING (Y/N): Y
SARA SECTION 311/312 HAZARD CLASS(ES): Acute and chronic health hazard. Fire hazard.
SARA SECTION 313 ROUTINE RELEASE REPORTING CHEMICALS: Xylene - 59%; ethylbenzene, 11 %
COMPONENTS ON TSCA INVENTORY (Y/N): Y

DISPOSAL

EPA RCRA WASTE CLASS: Ignitable
EPA RCRA WASTE NUMBER: D001
CALIFORNIA LIST LAND BAN (Y/N): Y

ABBREVIATIONS USED:

N/A = Information or data Not Available , NTP = National Toxicology Program,
IARC = International Agency for Research on Cancer, NIOSH = National Institute of Occupational Safety and Health,
ACGIH = American Conference of Governmental Industrial Hygienists, OSHA = Occupational Safety and Health Administration,
PEL = Permissible Exposure Limit (8-hr. TWA) (OSHA), TLV = Threshold Limit Value (8-hr. TWA) (ACGIH),
STEL = Short Term Exposure Limit (15-min TWA) (OSHA) , C = Ceiling Value.

DISCLAIMER

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REASON FOR REVISION:

Update Section X - Special Precautions

REISSUE REQD: Y