

ITEM NUMBER: 15-01620-1P
ITEM DESCRIPTION: Blanket Hardener JK-162 (1g1)
REVISION DATE: 11/21/00

SOLUBILITY IN WATER: Not available
EVAPORATION RATE (n-butyl acetate = 1.00): 1.3
PERCENT VOLATILITY BY WEIGHT (including water): 100
VOC: 6.7 Lb/gal (96%)

SECTION 4 - HEALTH HAZARDS INFORMATION

PRIMARY ROUTE(S) OF EXPOSURE: eyes, skin and inhalation
EYE CONTACT: Product may cause the following: moderate irritation on contact, vapors may also be irritating.
SKIN CONTACT: Product may cause the following: severe irritation possible.
Prolonged or repeated contact with product may cause dermatitis.
SKIN ABSORPTION: This product is expected to be absorbed through the skin.
INHALATION: Product may cause the following: If vapors, mists and sprays of this product are inhaled, this may irritate nose, throat and lungs.
INGESTION: Product may cause the following: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.
CHRONIC EFFECTS OF OVEREXPOSURE: This product may cause damage to skin, lung, liver, kidney and central nervous system.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin disease, respiratory disease, kidney disorders, liver disease and central nervous system.
OTHER INFORMATION: TARGET ORGANS: Eyes, Skin, Respiratory system, Liver, Kidneys. Gastrointestinal tract. Prolonged and repeated overexposure to this product may cause central nervous system depression, headaches and nausea. Keep away from foodstuffs. Wash hands prior to food contact.
CARCINOGEN SUSPECT: The components of this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC

California Safe Drinking Water and Toxic Enforcement Act 1986(Proposition 65):

WARNING: This product contains chemical(s) known to the State of California to cause cancer and reproductive harm. This product contains trace amounts of benzene and toluene.

SECTION 5 - ACCIDENTAL RELEASE INFORMATION

1. Remove all ignition sources.
2. Ventilate area of spill or leak.
3. For small quantities, absorb on paper towels. Evaporate in a safe place (such a fume hood). Allow sufficient time for evaporating vapors to completely clear the hood and ductwork. Burn the papers in a suitable location away from combustible materials. Petroleum distillates should not be allowed to enter a confined space, such as a sewer, because of the possibility of an explosion.

If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center at 800-424-8802. If spill in excess of the EPA reportable quantity is released off-site to air, water or land, immediately notify the National Response Center.

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SECTION 6 - FIRST-AID PROCEDURES

EYE CONTACT: Immediately flush with water for at least 15 minutes. Remove contact lenses. Get medical attention.

SKIN CONTACT: Remove all contaminated clothing. Wash skin with soap and water. Get medical attention if indicated.

INHALATION: Remove victim to fresh air. Give artificial respiration or oxygen if needed. Get medical attention if indicated.

INGESTION: If this product is swallowed, call a physician or poison control center immediately. For quick response, the individual should drink milk or large quantities of water. Only induce vomiting as directed by medical personnel. NEVER give anything by mouth to an unconscious person.

SECTION 7 - FIRE AND EXPLOSION INFORMATION

AUTOIGNITION TEMP: unknown

EXPLOSIVE LIMITS IN AIR: unknown

EXTINGUISHING AGENTS: Use the following media when fighting fires: water spray, CO₂, dry chemical, foam.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Use self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not flame cut, weld or saw empty container.

SECTION 8 - REACTIVITY INFORMATION

STABILITY: Stable

CONDITIONS TO AVOID: Heat, sparks and open flames

INCOMPATIBILITY (Materials to avoid): Strong oxidizing and reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon upon combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 9 - HANDLING & STORAGE PROCEDURES

EYE PROTECTION: Chemical safety splash goggles.

SKIN PROTECTION: Neoprene or natural rubber gloves should be worn.

VENTILATION REQUIREMENTS: General mechanical ventilation of area is recommended.

RESPIRATORY PROTECTION: NIOSH recommended if above TLV.

STORAGE PRECAUTIONS: Protect against physical damage to containers. Store in a cool, well ventilated area. Keep away from heat and oxidizing materials. Keep out of the reach of children. For industrial use only.

OTHER: Safety shower and eye wash should be available.

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SECTION 10 - SPILL AND DISPOSAL INFORMATION

LARGE SPILLS: Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Use proper safety equipment. Contain spill and pump to suitable container. Wash area with suitable detergent and water. Thoroughly rinse area with water. Avoid direct discharge to sewers and surface waters.

SMALL SPILLS: Use absorbent material to collect spill and put in appropriate container for disposal. Wash area with suitable detergent and water. Thoroughly rinse area with water.

DISPOSAL METHOD: DO NOT pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition.

Use appropriate container and dispose in an approved, licensed site facility. NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

IN CASE OF EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC 1-800-424-9300.

SECTION 11 - TOXICOLOGY INFORMATION

	LD50 Rat, oral -----	LC50 Rat, inh. -----
Methyl alcohol	5628 mg/kg	64000 ppm/4H
May be absorbed through the skin in toxic amounts.		
Note to Physician: This product contains methanol. Methanol is metabolized to formaldehyde and formic acid. These metabolites may cause acidosis, visual disturbances, and blindness. Medical consultation is essential with methanol poisoning.		
	LD50 Rat, oral -----	LC50 Rat, inh. -----
Hexylene glycol	3.7 g/kg	66 ppm/8H(no deaths)
	LD50 Rat, oral -----	LC50 Rat, inh. -----
Ethylene glycol n-propyl ether	3089 mg/kg	>2000 ppm/6H
	LD50 Rat, oral -----	LC50 Rat, inh. -----
Light Aliphatic Naphtha	unknown	unknown
	LD50 Rat, oral -----	LC50 Rat, inh. -----
Xylene	4.3 g/kg	6700 ppm/4H
This chemical contains:		
TOLUENE	5 g/kg	4000 ppm/4H
OHSAA & ACGIH STEL for Xylene: 150 ppm		
	LD50 Rat, oral -----	LC50 Rat, inh. -----
Normal butyl acetate	14 g/kg	unknown

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	LD50 Rat, oral	LC50 Rat, inh.
Methyl isobutyl ketone	unknown	4000 ppm/15 min.

SECTION 12 - ECOLOGY INFORMATION

ALL WORK PRACTICES SHOULD BE AIMED AT PREVENTING ANY RELEASE TO THE ENVIRONMENT.

ENVIRONMENTAL STABILITY: All components of this product are stable in the environment. The solvents in this product may show significant environmental stability by absorption to soil.

EFFECT OF MATERIAL ON PLANTS OR ANIMALS: Impact on plants or animals will be the result of exposure to the solvent components. Plants may be stressed as a result of a large release to the environment. The following aquatic toxicity information as available for the components of this product.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No specific information is available on the effect of this product on aquatic life. The solvent components may cause significant harm to aquatic life, if released to bodies of water in large volume.

SECTION 13 - REGULATORY INFORMATION

Chemical Control Law Status: All components of this product are listed or are excluded from listing on the U.S. Toxic Substance Control Act (TSCA) chemical substance inventory.

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are listed or are excluded from listing on the DSL/NDSL Inventory.

This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) as prescribed by Canadian (WHMIS) regulations.

U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Sections 302, 304, 311, 312 and 313 of Title III of the Superfund Amendments and Reauthorization Act and are listed as follows:

CHEMICAL NAME	SARA 302/304 (40CFR355)	SARA 311/312 (40CFR355)	SARA 313 (40CFR372)
Methyl Alcohol	No	Yes	Yes
Hexylene Glycol	No	Yes	No
Glycol Ether EP	No	Yes	Yes
Aliphatic Solvent Naphtha	No	Yes	No
Xylene	No	Yes	Yes
Normal Butyl Acetate	No	Yes	No
Methyl Isobutyl Ketone	No	Yes	Yes

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SECTION 14 - TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Compounds, Cleaning Liquid
HAZARDOUS CONTENTS: (contains petroleum distillates)
DOT HAZARD CLASS: FLAMMABLE LIQUID
ID NUMBER: NA1993
PACKAGING TYPE: PG II

SECTION 15 - ADDITIONAL INFORMATION

EPA: COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT.
UNDER CERCLA (SUPERFUND), RELEASES TO AIR, LAND OR WATER MAY BE REPORTABLE TO THE NATIONAL
RESPONSE CENTER (NRC), (800)424-8802.
Circumstances surrounding the release and cleanup determine reportability.

SECTION 16 - END OF DOCUMENT

END OF DOCUMENT

NOTE: This MSDS supercedes all previously dated MSDS for this product.

DISCLAIMER: The information in this document is believed to be correct as of the date
issued. However, no warranty of merchantability, fitness for any particular purpose, or
any other warranty is expressed or is to be implied regarding the accuracy or completeness
of this information, the results to be obtained from the use of this information or the
product, the safety of this product, or the hazards related to its use.

END OF DOCUMENT
