

MATERIAL SAFETY DATA SHEET

SUPPLIER: Hon-Mark Hardware,
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I. IDENTIFICATION

SYNONYMS: None Known
CHEMICAL NAME: Hydrocarbon Mixture
CHEMICAL FAMILY: Aliphatic Solvent
CHEMICAL FORMULA: Not applicable C.A.S. NUMBER: 64742-47-8
TRANSPORT: Classification: NR
Shipping Name:
Note: Section 2.23.2 exempt in containers 454 litres or less
WHMIS CLASSIFICATION: B-3

II. HAZARDOUS INGREDIENTS

I. Distillates (petroleum), Hydrotreated Light	C.A.S. #: 64742-47-8	Range % (w/w): 60-100
LD50-Oral: >5000 mg/kg (Rat)	LD50-Dermal: >2000 mg/kg (Rabbit)	
LC50: >2500 ppm/4H (Rat)	T.L.V.: 100 ppm (ACGIH 1980)	

III. HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE:

EYES: May cause moderate irritation, including burning sensation, tearing, redness or swelling.

SKIN: No significant signs or symptoms indicative of any health hazard are expected to occur as a result of skin absorption exposure. May produce skin irritant.

INHALATION: Overexposure may cause irritation to the respiratory tract and to other mucous membranes.

INGESTION: Do not induce vomiting. Guard against aspiration. Seek medical attention immediately.

CHRONIC HEALTH HAZARDS: Prolonged repeated exposure may be a nasal irritant.

OTHER HEALTH HAZARDS: This material or its emissions may affect mucous tissue and/or aggravate mucous membrane dysfunction.

FIRST AID:

EYES: In case of eye contact, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention.

SKIN: Remove contaminated clothing as needed. Wash skin thoroughly with mild soap/water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first.

INHALATION: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

NOTES TO PHYSICIAN: Treat burns or allergic reactions conventionally after decontamination. If pain, blinking tears, or redness continue, patient should contact ophthalmologist.

IV. FIRE & EXPLOSION HAZARDS

FLASH POINT & method (c) 41 (TCC) Lowest flashing Component

FLAMMABLE LIMITS (% in air): Lower: 1.0.
Upper: 6.0

EXTINGUISHING MEDIA: Dry chemical CO2 waterspray, alcohol type foam, water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Do not enter fire without proper protection. See "Decomposition Products possible." Fight fire from safe distance/protected location. Heat may build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries.

Use water spray/fog for cooling. Avoid frothing/steam explosion. Burning liquid may float on water. Although soluble, may not be practical to extinguish fire by water dilution. Notify authorities if liquid enters sewer/public waters.

UNUSUAL FIRE & EXPLOSION HAZARDS: When heated above flash point, releases vapours. When mixed in air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air. May travel long distances along ground before igniting/flashing back to vapour source. Fine sprays/mist may be combustible at temperatures below normal flash point.

V. PHYSICAL DATA

The following physical data are approximate only and do not represent specification values. They should only be used in the context of this Material Safety Data Sheet.

BOILING POINT (C): 160-204
SPECIFIC GRAVITY (20C): 0.70
VAPOUR PRESSURE (38C): 7.0 m Hg
VAPOUR DENSITY (air=1): 4.8
WATER SOLUBILITY: Insoluble
VOLATILITY (%): 100
EVAPORATION RATE (Butyl acetate=1) 0.1
APPEARANCE & ODOUR: Light coloured clear liquid with hydrocarbon odour.

VI. REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: Heat, sparks, open flame, strong oxidizing conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion will generate highly poisonous carbon monoxide and perhaps other toxic vapors.

HAZARDOUS POLYMERIZATION: Not expected to occur.

CONDITIONS TO AVOID: The product may be capable of forming highly reactive peroxides upon extended contact with oxygen in air. However, there is no known evidence that it has nearly the peroxide forming potential as, for example, Diethyl Ether, etc. Storage under Nitrogen atmosphere will minimize this possibility.

It is recommended that any liquid product exposed to air not be highly concentrated by evaporation without first assuring that no peroxide is present, alternately, positive steps should be taken to remove any accumulated peroxides to a safe level before concentrating the liquid.

VII. SPILLS & LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Release can cause fire/explosion. Liquids/vapors may ignite. Evacuate/limit access. Equip responders with proper protection (see Sec. VIII). Kill all ignition sources. Stop release. Prevent flow to sewers/public waters. Notify fire/environmental authorities. Slippery walking/spread granular cover or soak up. Impound/recover large land spill.

Soak up small spill with inert solids. Use suitable disposal containers. On water, material soluble/may float or sink. Contain/minimize dispersion/collect. Disperse residue to reduce aquatic harm. Report per regulatory requirements.

WASTE DISPOSAL METHODS: Contaminated product/soil/water may be RCRA/OSHA hazardous waste due to low flash point (see 40 CRF 261 and 29 CFR 1910). Landfill solids at permitted sites. Use registered transporters. Burn concentrated liquids. Avoid flameouts. Assure emissions comply with applicable regulations. Dilute aqueous waste may biodegrade. Avoid overloading/poisoning plant biomass. Assure effluent complies with applicable regulations.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

VENTILATION: Yes

PROTECTIVE CLOTHING: Gloves, apron, sleeves, boots and full head/face protection.

EYE PROTECTION: Chemical splash goggles and/or face shield. Contact lenses should not be worn.

ADDITIONAL PROTECTIVE EQUIPMENT: Use NIOSH/MSHA approved air-purifying or supplied air respirator as appropriate.

IX. ADDITIONAL INFORMATION

HANDLING & STORAGE: Store only in tightly closed/properly vented containers away from heat/sparks/open flame or strong oxidizing agents. Use only non-sparking tools. Ground containers before beginning transfer. Electrical equipment should confirm to National Electric code. Handle empty containers carefully.

Flammable/combustible residue remains after emptying. Store in properly lined steel/stainless steel to avoid slight discolourization from mild steel/copper. Aluminum (500 series alloys-alum. assn.std.) showed no corrosion after 30 day contact at 71.1oC. Some plastics/rubbers are attacked by glycol ethers/ether esters.

This product will absorb water if exposed to air. Isolate, vent, drain wash and purge systems or equipment before maintenance or repair. Remove all ignition sources. Check atmosphere for explosiveness and oxygen deficiencies. Use adequate personal protective equipment. Observe precautions pertaining to confined space entry.

OTHER INFORMATION: Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself.

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