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MATERIAL SAFETY DATA SHEET

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Physics?

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SECTION 1 -- PRODUCT INFORMATION

PRODUCT CODE: 5550

TRADE NAME: RETARDER THINNER

- H M I S C O D E S -
HEALTH - 1
FLAMMABILITY - 2
REACTIVITY - 0

PRODUCT CLASS: ALIPHATIC PETROLEUM DISTILLATE

PRODUCT GROUP: 55

SECTION 2 -- HAZARDOUS INGREDIENTS

CHEMICAL NAME; COMMON NAME; CAS NUMBER	PERCENT OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE IN mmHg
	BY WEIGHT	TLV	PEL	
PETROLEUM DISTILLATE; ALIPHATIC HYDROCARBON; 64742-96-7	100	NOT ESTABLISHED NIOSH RECOMMENDATION	14PPM	<10 @ 77 F

SECTION 3 -- PHYSICAL DATA

BOILING RANGE: 403 DEG F - 484 DEG F
EVAPORATION RATE: SLOWER THAN ETHER
VOC: 799.20 g/l
6.66 lb/gal

VAPOR DENSITY: HEAVIER THAN AIR
PERCENT VOLATILE BY VOLUME: 100%
WEIGHT PER GALLON: 6.66 LBS

SECTION 4 -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:
Combustible Liquid Class IIIA

OTHER COMMENTS:
Combustible Liquid

FLASH POINT:
175 Deg. F TCC

LOWER EXPLOSIVE LEVEL:
0.9

EXTINGUISHING MEDIA:
Foam, CO2, Dry Chemical

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion exposed to extreme heat. If water is used, fog nozzles are preferable.

SPECIAL FIREFIGHTING PROCEDURES:
N/A

SECTION 5 -- HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
Inhalation: Anesthetic. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness or coma. Skin or eye contact: Primary irritation.

MEDICAL CONDITIONS PRONE TO AGGRAVATE BY EXPOSURE:
N/A

PRIMARY ROUTE(S) OF ENTRY:

Dermal, inhalation and ingestion.
EMERGENCY AND FIRST AID PROCEDURES:
Fumes: Remove from exposure. Restore breathing. Keep warm and quiet.
Notify a physician. Splash (Eyes): Flush immediately with copious
quantities of running water for at least 15 minutes. Take to a physician
for definitive medical treatment. Splash (Skin): Remove with soap and
water. Remove contaminated clothing. Do not induce vomiting if swallowed.

SECTION 6 -- REACTIVITY DATA

STABILITY:
Stable
CONDITIONS TO AVOID:
N/A
INCOMPATIBILITY (WITH MATERIALS):
N/A
HAZARDOUS DECOMPOSITION PRODUCTS:
May produce hazardous fumes when heated to decomposition as in welding.
Fumes may contain carbon monoxide and oxides of nitrogen.
HAZARDOUS POLYMERIZATION:
Will not occur.

SECTION 7 -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition (flames, hot surfaces, and electrical,
static or frictional sparks). Avoid breathing vapors. Ventilate area.
Remove with inert, absorbent and non-sparking tools.
WASTE DISPOSAL METHOD:
Dispose of in accordance with applicable local, county, state and federal
regulations. Do not incinerate closed containers.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
If vapor concentration exceeds the TLV listed in Section II, use NIOSH
approved respiratory with organic chemical cartridge. Consult a reputable
Safety Supply company for proper respirator selection.
VENTILATION:
Provide general dilution or local exhaust ventilation in volume and pattern
to keep TLV of most hazardous ingredient in Section II below acceptable
limit, LEL in Section IV below stated limit, and to remove decomposition
products during welding or flame cutting on surfaces coated with this
product.
PROTECTIVE GLOVES:
Solvent resistant gloves required for prolonged or repeated contact.
EYE PROTECTION:
Use safety eyewear designed to protect against splash of liquids.
OTHER PROTECTION:
Prevent prolonged skin contact with contaminated clothing.
HYGIENIC PRACTICES:
Wash with soap and water before eating, smoking, or using toilet
facilities.

SECTION 9 -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not store above 120 degrees F. Store large quantities in buildings designed for storage of NFPA Class IIIA combustible liquids.

OTHER PRECAUTIONS:

Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquids in excess of a few inches. Do not flame cut, braze, or weld without MSHA or NIOSH approved respirator or appropriate ventilation.

SECTION 10 -- DISCLOSURE

DISCLOSURE INFORMATION:

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.
