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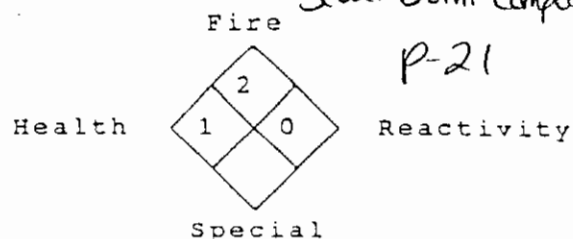
LARNED STATE HOSPITAL  
HOUSEKEEPING DEPARTMENT

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Product Code: SH 883 1037

NFPA HAZARD RATING

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Slight
- 0 - Insignificant



DIVISION AND LOCATION---SECTION I

Division: SOUTHWEST PETRO. CHEM.

Location: OLATHE, KS

1400 S. HARRISON, OLATHE, KS, 66061

Emergency Telephone Number: (913) 782-5800

Transportation Emergency: CHEMTREC 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES---SECTION II

Chemical Name:

petroleum hydrocarbon plus additives

Formula: not applicable

Hazardous Decomposition Products:

carbon monoxide and carbon dioxide from burning.

oxides of sulfur

sulfur dioxide or hydrogen sulfide, depending upon decomposition conditions

Incompatibility (Keep away from):

strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients:

stoddard solvent

Diesel fuel oil

3

15.6

3.5

CAS #

8052-41-3

68476-34-6

Form: semi-solid

Odor: solvent

Appearance: asphalt

Color: black

Specific Gravity (water=1): @ room temperature 1.25

Boiling Point: based on solvent 157°C (316°F)

Melting Point: not applicable

Solubility in Water (by weight %): negligible at 25 C

Volatile (by weight %): 15.6

Evaporation Rate: (n-butyl acetate = 1) based on solvent .21

Vapor Pressure (mm Hg at 20°C): based on solvent 3

Vapor Density (air=1): based on solvent 4.9

Stability: Product is stable under normal conditions

Viscosity SUS at 100°F: Greater than or = 100

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

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FIRE AND EXPLOSION DATA---SECTION III

Special Fire Fighting Procedures:

Self-contained breathing apparatus is recommended for firefighters. Waterspray must be used with caution to prevent spread of flames.

Unusual Fire and Explosion Hazards:

dense smoke

Flashpoint: (Method Used) Pensky-Martens closed-cup 40°C (104°F)

Flammable limits %:

Lower: 1.1 Upper: 6.1

Extinguishing agents:

Drychemical or Waterfog or CO<sub>2</sub> or Foam or Sand/Earth

Water may cause frothing.

Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA---SECTION IV

Permissible concentrations (air):

mineral spirits: 400 ppm (OSHA, as petroleum distillates-naphtha CAS# 8002 - 05 - 9); 100 ppm (ACGIH, as stoddard solvent CAS# 8052 - 41 - 3)

Chronic effects of overexposure:

May cause skin and eye irritation. May cause headache and dizziness.

Acute toxicological properties:

for stoddard solvent: inhalation-irritation of eyes, nose and throat, dizziness; skin contact-dermatitis; eyes-irritation; ingestion-nausea, vomiting. Large amounts, if retained, lead to symptoms of central nervous system depression.

kerosine: Overexposure may lead to adsorption by lungs, causing hemorrhaging and pulmonary edema. May progress to pneumonitis and kidney involvement. Acute

oral LD<sub>50</sub> = 20 g/kg (guinea pig)

Emergency First Aid Procedures:

Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

Skin Contact: Remove excess with cloth or paper. Do not use solvents. Remove with waterless hand cleaner or soap and water.

Inhalation: Remove victim to fresh air and call a physician immediately. If not breathing give mouth to mouth respiration. If breathing is difficult, give oxygen.

If Swallowed: Contact a physician immediately.

ROUTES OF ENTRY:

Inhalation, skin/eye contact, ingestion.

TARGET ORGAN(S):

Respiratory system, central nervous system, skin and eyes.

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SPECIAL PROTECTION INFORMATION---SECTION V

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Ventilation Type Required (Local, mechanical, special):

Any combination of local and/or general dilution to maintain allowable  
PEL(permissible exposure limit) or TLV(threshold limit value)

Respiratory Protection (Specify type):

If the TLV/PEL of the product or any component is exceeded, a NIOSH/MSHA approved  
self contained breathing apparatus with full face piece operated in pressure  
demand or other positive mode is advised; however, OSHA regulations also permit  
other NIOSH/MSHA respirators.

Protective Gloves:

rubber or plastic, solvent resistant

Eye Protection:

chemical safety goggles and full face shield

Other Protective Equipment:

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HANDLING OF SPILLS OR LEAKS---SECTION VI

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Procedures for Clean-Up:

Avoid all ignition sources such as flames and sparks. Insure good ventilation.  
If volume is significant, transfer into containers for disposal. Seal containers  
tightly. Absorb on an inert ingredient such as earth, sand or vermiculite. Sweep  
up and dispose of according to Federal, State and local regulations.

Waste Disposal:

Dispose of in accordance with all applicable federal, state and local  
regulations.

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SPECIAL PRECAUTIONS---SECTION VII

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Precautions to be taken in handling and storage:

Keep container closed when not in use. Avoid contact with skin, eyes, and  
clothing. Wash thoroughly after handling. Keep away from feed and food products.  
Avoid all ignition sources such as flames and sparks.  
Avoid skin and eye contact. Do not swallow.  
Do not inhale.  
Keep away from feed and food products.  
If fumes are present see section V.  
Wash thoroughly after handling and before eating or smokeing.

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TRANSPORTATION DATA---SECTION VIII

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D.O.T.: Not Regulated

Reportable Quantity: not applicable

Freight Classification: Cement Roofing n.o.i.b.n.

Special Transportation Notes:

If shipped in containers of over 118.9 gallon capacity, regulated as combustible

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(Section VIII continued)

liquid n.o.s.. Use combustible placard UN 1993.

## ENVIRONMENTAL/SAFETY REGULATIONS---SECTION IX

### Section 313 (Title III Superfund Amendment and Reauthorization Act):

This product does not contain any chemical 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.

## COMMENTS

KEEP OUT OF REACH OF CHILDREN!!

## LABEL INFORMATION

### CAUTION! COMBUSTIBLE MIXTURE

Contains Stoddard Solvent-CAS No. 8052-41-3.

Avoid contact with eyes. Wear chemical splash goggles, face shield, and protective gloves. Use with adequate ventilation. Avoid prolonged breathing of mist or vapor. Avoid skin contact.

#### \* PRECAUTIONS:

.AVOID EYE AND SKIN CONTACT. DO NOT SWALLOW.

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#### FIRST AID:

FOR EYE CONTACT FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. FOR SKIN CONTACT WASH WITH SOAP AND WATER. CONTACT PHYSICIAN IF RASH DEVELOPS. IF SWALLOWED, CALL A PHYSICIAN.

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#### SAFETY AND HANDLING:

.SEE MATERIAL SAFETY DATA SHEET FOR DETAILED INSTRUCTIONS.

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#### ATTENTION:

FOR METAL DRUM CONTAINERS: DO NOT USE PRESSURE TO EMPTY THIS CONTAINER. WHEN EMPTY, CONTAINER MAY CONTAIN VAPOR OR PRODUCT RESIDUE. DO NOT CUT, PUNCTURE, OR WELD ON OR NEAR DRUM.

FOR FIBER DRUM CONTAINERS: NOT FOR REUSE.

DISPOSE OF ALL CONTAINERS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

Inhalation-remove to fresh air. If breathing is difficult, give oxygen and call a physician

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