TREMCO.

Product Name: TUFF-N-DRI

Chemical Name:

Chemical Family: Coating
Product Code: KWS-0043 Date Prepared: 12-MAY-03
MSDS Preparer: R. A. MIKOL Replaces Date: 01-MAY-03

ACGIH:TWA 0.50 mg/M3 STEL - (fumes, as benzene extractable inhalable particulates)

WATER 15.0-40.0 7732-18-5 OSHA:TWA - STEL -

ACGIH:TWA - STEL -

POLYMER MODIFIER 5.0-25.0 Trade Secret OSHA:TWA - STEL - ACGIH:TWA - STEL -

STODDARD SOLVENT (MINERAL SPIRITS) 3.0-10.0 8052-41-3 OSHA:TWA 100 ppm STEL -

OSHA:TWA 100 ppm STEL - ACGIH:TWA 100 ppm STEL -

HYDROGEN SULFIDE 0.1-1.0 7783-06-4

OSHA:TWA 10 ppm STEL 15 ppm ACGIH:TWA 10 ppm STEL 15 ppm

The listing of ingredient(s) above is in compliance with the Federal Hazard Communication Standard (29 CFR 1910.1200) requirements. De minimus concentrations and ingredients not considered hazardous under the Standard are generally excluded.

Section 3 - Hazards Identification

EMERGENCY OVERVIEW:

Brown liquid. Can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

Potential Hlth Effect/Rte of Entry:

Inhalation:

Can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system.

Eyes:

Can cause irritation.

Ingestion:

Can cause gastrointestinal irritation.

Skin:

Can cause irritation.

Aggravated Medical Conditions:

Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure.

Acute Health Effects:

See effects described above.

Chronic Health Effects:

Prolonged or repeated skin contact with asphalt in these products may result in irritation and dermatitis. Although a direct association between



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asphalt and cancer or other lung disease has not been established in man,
 asphalts contain variable amounts of polycyclic aromatic hydrocarbons and
 other volatiles which have been shown to cause cancer and respiratory
 damage in animals. Prolonged or repeated exposure to mineral spirits
 (petroleum naphtha or stoddard solvent) may cause the defatting, irritation,
 dermatitis, narcotic and CNS effects described above, liver effects, and
  jaundice. Kidney and lung effects have been noted in some animal species.
  ______
Section 4 - First Aid Measures
  Inhalation:
   Leave area to breathe fresh air. Avoid further overexposure. If symptoms
   persist, get medical attention immediately.
 Eyes:
   Flush immediately with running water for 15 minutes, lifting the upper and
   lower lids occasionally. Get medical attention immediately.
 Ingestion:
   Get medical attention immediately.
  Skin:
   Clean area of contact thoroughly using soap and water. If irritation, rash
   or other disorders develop, get medical attention immediately.
 Notes to Physician:
                                  N/A
Section 5 - Fire Fighting Measures
 Flash Point:
                            >212 F
 Method:
                            PENSKY-MARTENS CC
 Lower Flammability Limit:
                           ND
 Upper Flammability Limit:
                            ND
 Autoignition Temperature:
                            ND
 Extinguishing Media:
   If water fog is ineffective, use carbon dioxide, dry chemical or foam.
 Fire and Explosion Hazards:
   Not Applicable
 Special Fire Fighting Procedures:
   During a fire, personnel at the scene are to prevent exposure to fumes using accepted fire fighting techniques.
 Fire Fighting Equipment:
 Other Precautions:
   Not Applicable
Section 6 - Accidental Release Measures
 Release Response Overview:
   Absorb spill in sand, earth or other suitable material. Transfer to
   appropriate container for disposal.
Section 7 - Handling and Storage
    ______
Handling and Storage Precautions:
 Store under normal warehouse conditions. Prevent inhalation of vapor,
 ingestion, and contact with skin and eyes. Keep container closed when not
 in use. Precautions also apply to emptied containers. Change soiled
 workclothes frequently. Clean hands thoroughly after handling. Personal
 protective equipment must be worn during maintenance or repair of
 contaminated mixer, reactor, or other equipment.
______
Section 8 - Exposure Controls/Personal Protection
 Respiratory:
   Wear appropriate, properly fitted NIOSH/MSHA approved respirator, as
   directed by the manufacturer, when the airborne contaminant level(s) exceed
   the exposure limits indicated in Section 2 of the MSDS.
 Skin:
   Protect hands with impervious rubber gloves and wear typical full cover
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clothing. Prevent contact with skin.

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Eyes:
   Chemical splash goggles.
 Face:
   Face shield is recommended.
 Engineering:
   Use local exhaust when the general ventilation is not sufficient to keep
   the airborne contaminant concentration below the exposure limit in Section
   2 of the MSDS.
Section 9 - Physical and Chemical Properties
                    SLIGHT AMMONIA/BROWN
 Odor/Appearance:
                    BROWN
 Color:
                    LIQUID
8-12
 Physical State:
 :Hq
 Vapor Pressure:
                    ND
 Vapor Density:
                    ND
 Boiling Point:
                     SAME AS WATER
 Melting Point:
                 ND
APPROX. 30 F
 Freezing Point:
 Solubility in Water: DISPERSIBLE
 Specific Gravity: % Volatile Weight:
                          40.4
Section 10 - Reactivity/Stability
 ______
 Stability:
   Stable
 Incompatible Products:
   Avoid contact with strong oxidizing and reducing agents.
 Conditions to Avoid Polymerization:
   Hazardous polymerization will not occur.
Section 11 - Toxicological Information
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                        See Section 3
 Eves:
 Ingestion:
 Inhalation:
 Skin:
 Subchronic:
 Chronic:
           ______
Section 12 - Ecological Information
 _____
 Ecotoxicological Data:
                                N/A
 Chemical Fate:
                                N/A
Section 13 - Disposal Considerations
 RCRA Class:
                                 N/A
 Disposal Method:
   Not regulated by RCRA. Dispose of in compliance with state and local
   regulations.
 EPA Reportable Quantities
    N/A
Section 14 - Transportation Data
 DOT Shipping Name: NOT REGULATED DOT Hazard Class: NOT APPLICABLE
 DOT Label:
 UN/NA Number:
                   N/A
 Packing Group:
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Special Provisions:
 Packaging
       Exceptions:
       Non-Bulk:
       Bulk:
 Quantity Limitations
      Passenger Aircraft or Railcar:
       Cargo Aircraft:
 Vessel Stowage Requirements
       Vessel Stowage:
       Other Stowage:
                               N/A
 Transportation Notes:
Section 15 - Regulatory Information
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                    _____
 TSCA Status: On the TSCA Inventory
OSHA Status: Considered hazardous based on the following criteria:
   Irritant
 Target Organs
 _____
   Lung
   Skin
   Eye
 OSHA Hazardous Components
                                                          CAS Number
 _____
                                                            7783-06-4
    HYDROGEN SULFIDE
   SODIUM HYDROXIDE
                                                            1310-73-2
                                                            8052-42-4
 * ASPHALT
    STODDARD SOLVENT (MINERAL SPIRITS)
                                                            8052-41-3
 * - CHEMICAL IS LISTED AS AN IARC, NTP, OSHA, or ACGIH CARCINOGEN
 Compliance Quantities
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  N/A
 SARA 311 Ratings
       Immediate Health Hazard:
       Delayed Health Hazard:
       Fire Hazard:
       Reactivity Hazard:
       Sudden Release of Pressure Hazard: N
 SARA 313 Ingredients
                                                          CAS Number
            ______
                                                           7783-06-4
   HYDROGEN SULFIDE
 Proposition 65 Ingredients
       Chemicals known to the State of California to cause cancer,
      birth defects and/or other reproductive harm. CAS Number
   ASPHALT
                                                           8052-42-4
Section 16 - Other Information
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FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.
THE HAZARD INFORMATION HEREIN IS OFFERED SOLELY FOR THE CONSIDERATION
OF THE USER, SUBJECT TO HIS OWN INVESTIGATION OF COMPLIANCE WITH APPLICABLE
REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE
CONDITION.