

# Material Safety Data Sheet

Date of Preparation: 04/90

TS-15

Revision: 03/16/09

## Section 1 - Chemical Product and Company Identification

Product/Chemical Name: TS-15

Chemical Formula:

CAS Number:

Other Designations:

General Use:

Manufacturer: MIRANDY PRODUCTS, LLC., 1078 GRAND AVENUE, S. HEMPSTEAD, NY 11550

(516) 489-6800

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## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
MINERAL SPIRITS, EXEMPT	64742-88-7	

DOT Shipping Classification: Combustible Liquid

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
MINERALS SPIRITS, EXEMPT	500 ppm	500 ppm	125 ppm	125 ppm	NA	NA	

Toxicity Data:

## Section 3 - Physical and Chemical Properties

Physical State:

Appearance and Odor: Water white liquid, with characteristic solvent odor

Odor Threshold:

Vapor Pressure: @38C 30

Vapor Density (Air=1): >1

Formula Weight:

Density:

Specific Gravity (H<sub>2</sub>O=1, at 4 °C): <1

pH:

Water Solubility: Negligible

Other Solubilities:

Boiling Point: 323-390F

Freezing/Melting Point: N/A

Viscosity:

Refractive Index:

Surface Tension:

% Volatile:

Evaporation Rate: <1

## Section 4 - Fire-Fighting Measures

Flash Point:

Flash Point Method: 323-390F TCC

Autoignition Temperature:

LEL: 1

UEL: 6

Flammability Classification:

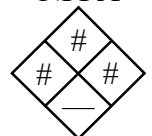
Extinguishing Media: Water Fog, Foam, Dry Chemical or Carbon Dioxide.

Unusual Fire or Explosion Hazards: Containers should be cooled with water to prevent vapor pressure build-up which could result in container rupture.

Hazardous Combustion Products:

Fire-Fighting Instructions: Wear full bunker gear. Use water to cool containers. Do not use direct steam of water on pool fires, product will float and can be re-ignited.

NFPA



**Fire-Fighting Equipment:****Section 5 - Stability and Reactivity****Stability:** Stable**Polymerization:** Hazardous polymerization will not occur.**Chemical Incompatibilities:** Avoid heat, flame and contact with strong oxidizing agents such as Chlorine, Concentrated Oxygen, Sodium or Calcium Hypochlorite.**Conditions to Avoid:** None.**Hazardous Decomposition Products:** Carbon Monoxide and unidentified organic compounds during combustion.**Section 6 - Health Hazard Information****Potential Health Effects****Primary Entry Routes:** Ingestion, Skin, Inhalation**Target Organs:****Acute Effects****Inhalation:** May be irritating to the nose, respiratory tract and may cause CNS depression. In extreme cases, unconsciousness and death may occur.**Eye:****Skin:** Prolonged or repeated skin contact may cause dermatitis.**Ingestion:** May result in vomiting. Aspiration of vomitus into lungs must be avoided. In severe cases, death may occur.**Carcinogenicity:** No.**Medical Conditions Aggravated by Long-Term Exposure:** Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure to this product.**Chronic Effects:****Emergency and First Aid Procedures****Inhalation:** Remove to fresh air and provide oxygen if necessary. Give artificial respiration if not breathing. Get medical attention.**Eye Contact:** Flush with water and get medical attention if irritation persists.**Skin Contact:** Flush with water and get medical attention if irritation persists.**Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.**Note to Physicians:****Special Precautions/Procedures:****Section 7 - Spill, Leak, and Disposal Procedures****Spill /Leak Procedures:** Eliminate sources of ignition. Dike and contain in salvage vessel. Remove residue with absorbent. Flush area with water to remove trace residue. Dispose of flush solution with salvaged material.**Small Spills:****Large Spills:****Containment:****Cleanup:****Regulatory Requirements:****Disposal:** Dispose to approved waste disposal facility. Assure compliance with all local, state and federal regulations. Under EPA-RCRA (40 CFR 261,21) if this product becomes a waste material, it would be ignitable hazardous waste, hazardous waste number D001. Refer to latest EPA or state regulations regarding proper disposal.**Environmental Hazards:** Under EPA-CWA, this product is classified as an oil under Section 311. Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center, 800-424-8802. EPA-Comprehensive Environmental Response, Compensation and Liability Act. Under EPA-CERCLA (Superfund) releases to air, land or water may be reportable to the National Response Center. Circumstances surrounding the release and cleanup determine reportability.**Disposal Regulatory Requirements:****Container Cleaning and Disposal:****Ecological Information:****Precautions for Storing and Handling:** Keep away from sources of ignition, hot surfaces, open flames.

**Other Precautions:** Even emptied containers may contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Use explosion-proof ventilation as required to control vapor concentrations within limitation.

**Administrative Controls:**

**Respiratory Protection:** If exposure may or does exceed occupational exposure limits, use a NIOSH-approved respirator as required to prevent over-exposure.

**Protective Clothing/Equipment:** Wear chemical-resistant gloves. Wear safety glasses or goggles.

**Safety Stations:** Safety shower, eye bath and washing facilities should be available.

**Contaminated Equipment:** Launder contaminated clothing before reuse.

**Comments:** Wash thoroughly after handling.