

RUBBING COMPOUND**MANUFACTURER/DISTRIBUTOR**

Multi-Tech Products
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PRODUCT NAME: RUBBING COMPOUND

<u>MATERIAL</u>	<u>C.A.S #</u>	<u>PERCENT</u>	
Water	7732-18-5	60.0	-90.0
Medium Aliphatic Solvent Naphtha	64742-88-7	5.0	-10.0
White Mineral Oil (Petroleum)	8042-47-5	3.0	-7.0
Aluminum Silicate	66402-68-4	1.0	-5.0
Castor Oil	8801-79-4	1.0	-5.0
Glycerin	56-81-5	1.0	-5.0

PHYSICAL DATA

Boiling Point - 212F
Vapor Pressure - N/D
Vapor Density - > 1.00 Air = 1
Evaporation Rate - 4.40 Ether = 1
Solubility In Water - Dilutable
Specific Gravity - 0.996 Water = 1
Percent Volatile - 80 - 90%
pH - 7.8-8.0
Viscosity - 3.5K - 4.5K CPS
Melting Point - N/D

APPEARANCE AND ODOR:

Liquid, light orange-brown, faint sweet odor

FIRE AND EXPLOSION HAZARD DATA

Flash Point - 120 F Setflash
Flammable Limits - LEL - 0.80 %
Flammable Limits - UEL - 6.00 %
Autoignition Temperature - N/D

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry Chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

NFPA HAZARD CODES: Health: 1 Fire: 2 Reactivity: 0
Unusual Reaction Hazard: None

OSHA FIRE HAZARD CLASS: Class II Combustible Liquid

REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY-MATERIALS/CONDITIONS: None known

HAZARDOUS POLYMERIZATION: Hazardous Polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Carbon Dioxide, Toxic Vapors, Gases or Particulates.

ENVIRONMENTAL INFORMATION

SPILL RESPONSE: Refer to other sections of the MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Extinguish all ignition sources. Collect spilled material. Clean up residue with water. Place in a U.S. DOT approved container.

RECOMMENDED DISPOSAL: Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes.

ENVIRONMENTAL DATA: Not Determined

REGULATORY INFORMATION: Volatile Organic

Compounds: 1.01 lb/gal
EPA Method 24.

Volatile Organic Compounds: 122 gms/liter EPA Method 24 / ASTM D2369.

VOC Less H₂O & Exempt Solvents: 453 gms/liter EPA Method 24.

Since regulations vary, consult applicable regulations or authorities before disposal.

U.S. EPA Hazardous Waste Number = D001 (Ignitable)

EPCRA HAZARD CLASS:

Fire Hazard: Yes Pressure: No
Reactivity: No Acute: Yes
Chronic: Yes

SUGESSTED FIRST AID

EYE CONTACT: Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT: Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

PRECAUTIONARY INFORMATION

EYE PROTECTION: Avoid eye contact.

SKIN PROTECTION: Avoid skin contact. Wear appropriate

MULTI-TECH® PRODUCTS

MATERIAL SAFETY DATA SHEET

gloves when handling this material. A pair of gloves made from the following material(s) are recommended: nitrile rubber, polyvinyl alcohol, fluoroelastomer (Viton).

RECOMMENDED VENTILATION: Use in a well-ventilated area. Provide sufficient ventilation to maintain emission below recommended exposure limits.

RESPIRATORY PROTECTION:
Avoid breathing of vapors.

PREVENTION OF ACCIDENTAL INGESTION:
Do not ingest

RECOMMENDED STORAGE:
Keep container closed when not in use. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:
Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Combustible liquid and vapor.

EXPOSURE LIMITS

<u>INGREDIENT</u>	<u>VALUE</u>	<u>UNIT</u>	<u>TYPE</u>	<u>AUTH</u>
WATER	NONE	NONE	NONE	NONE
MEDIUM ALIPHATIC SOLVENT NAPHTHA	100	PPM	TWA	CMRG
WHITE MINERAL OIL (PETROLEUM)	5	MG/M3	TWA	CMRG
WHITE MINERAL OIL (PETROLEUM)	10	MG/M3	STEL	CMRG
ALUMINUM SILICATE	NONE	NONE	NONE	NONE
CASTOR OIL	NONE	NONE	NONE	NONE
GLYCERIN	10	MG/M3	TWA	ACGIH As Mist
GLYCERIN	10	MG/M3	TWA	OSHA As Mist

** SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
CMRG: Chemical Manufacturer Recommended Exposure guidelines
NONE None Established

HEATH HAZARD DATA

EYE CONTACT:
Moderate Eye Irritation: Signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:
Mild Skin Irritation: Signs/symptoms can include redness, swelling, and itching.

INHALATION:
Central Nervous System Depression: Sign/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED: Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Aspiration Pneumonitis: signs/symptoms can include difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued.

Footnote:
Abbreviations: N/D-Not Determined N/A-Not Applicable
CA-Approximately