

MATERIAL SAFETY DATA SHEET

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EMERGENCY PHONE NUMBER (24 Hours):
*Transportation Call: CHEMTREC (800) 424-9300 International: 011-703-527-3887
 Have a physician call: LOS ANGELES POISON INFORMATION CENTER(24 Hrs.) (800) 876-4766*

<p>PRODUCT: TR-311 SUPER DUTY RUBBING COMPOUND <small>Gallon/5 gal Pail/55 gal Drum</small></p> <p>CAS NUMBER: (Not Applicable for Blends)</p> <p>DOT (Proper Shipping Name) Compound Cleaner Non-Hazardous</p> <p><u>HAZARD RATING NFPA</u></p> <table style="width: 100%;"> <tr> <td>0-LEAST</td> <td>FIRE</td> <td>-</td> <td><u> 1 </u></td> </tr> <tr> <td>1-SLIGHT</td> <td>TOXICITY</td> <td>-</td> <td><u> 2 </u></td> </tr> <tr> <td>2-MODERATE</td> <td>REACTIVITY</td> <td>-</td> <td><u> 0 </u></td> </tr> <tr> <td>3-HIGH</td> <td>SPECIAL</td> <td>-</td> <td><u> </u></td> </tr> <tr> <td>4-EXTREME</td> <td></td> <td></td> <td></td> </tr> </table>	0-LEAST	FIRE	-	<u> 1 </u>	1-SLIGHT	TOXICITY	-	<u> 2 </u>	2-MODERATE	REACTIVITY	-	<u> 0 </u>	3-HIGH	SPECIAL	-	<u> </u>	4-EXTREME				<p>DANGER: May be harmful or fatal if swallowed. DO NOT induce vomiting. Seek medical help if swallowed.</p> <p>KEEP OUT OF REACH OF CHILDREN.</p> <p>FOR INDUSTRIAL USE ONLY.</p> <p>IMO/IMDG (PROPER SHIPPING NAME)</p> <p>NOT REQUIRED</p> <p>MARINE POLLUTANT - NO</p> <p>STOWAGE AND SEGREGATION - N/A</p>
0-LEAST	FIRE	-	<u> 1 </u>																		
1-SLIGHT	TOXICITY	-	<u> 2 </u>																		
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4-EXTREME																					

SECTION I .. INGREDIENTS				
PRODUCT	CAS #	PEL	TLV	PERCENTAGES
TURPENTINE	8006-64-2	100	100	1% - 5%
MORPHOLINE	110-91-8	20ppm	20ppm	1%
PETROLEUM HYDROCARBON	64741-97-5		NE	10% - 15%
S O2 POWDER			5ppm/Cu3	20%
FORMALDEHYDE	50-00-0	.75ppm	0.3ppm	1/2%
WATER EMULSION	N/A	NE	NE	50% - 60%

* Threshold Limit Value

A, Osha [x] B, ACGII [] C, See Section III [] D, Other [] Cal Osha []

Section II .. EMERGENCY AND FIRST AID PROCEDURES

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EYE CONTACT	Gently flush with large quantities of water for at least 15 minutes. Seek medical attention immediately.
SKIN CONTACT	Remove any contaminated clothing. Wash with soap and large quantities of water. Seek medical attention if irritated.
INHALATION	If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapor concentration, move to outside air immediately. If breathing stops, begin artificial respiration and seek immediate medical attention.
INGESTION	If this product is swallowed, seek medical attention immediately. <u>DO NOT</u> induce vomiting unless directed by a physician.

Section III .. PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

EYE EFFECTS	This product may be an eye irritant. Symptoms may include stinging, tearing, swelling & eye damage. also may cause blurred vision.
SKIN EFFECTS	Prolonged skin contact may result in irritation and/or Dermatitis. Symptoms include redness, burning & skin damage.
SYSTEMIC EFFECTS	Various studies have shown a possible association with exposure to this product and the following: May cause asthma-like conditions. Irritation to nose, throat & respiratory tract.

CARCINOGEN:NTP IARC MONOGRAPHS OSHA

If present, IARC and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III Section 313

SECTION IV .. SPECIAL PROTECTION INFORMATION	
RESPIRATORY PROTECTION (Specify Type)	The use of respiratory protection depends on vapor concentration of the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved, if available), or supplied air equipment, depending on airborne concentration.
VENTILATION	If general mechanical ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions, such as respiratory protection, may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.
EYE PROTECTION	Safety glasses and/or face shields are recommended.
PROTECTIVE GLOVES	The use of heavy rubber gloves is advised to prevent skin irritation and absorption.
OTHER PROTECTIVE EQUIPMENT	Impermeable aprons, availability of eye washes and safety washes are recommended.

SECTION V .. REACTIVITY DATA	
STABILITY	Stable
Conditions to avoid:	None
INCOMPATIBILITY (Materials to avoid)	NONE
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.
HAZARDOUS POLYMERIZATION	Will Not Occur

SECTION VI .. SPILL OR LEAK PROCEDURES	
HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC (800) 424-9300	
PRECAUTIONS IN CASE OF RELEASE OR SPILL	Stay upwind and away from spill unless wearing appropriate protective equipment. Stop and/or contain spill if it can be done safely. Keep all sources of ignition away.
WASTE DISPOSAL METHOD	Dispose of product in accordance with applicable local, county, state and Federal regulations.

SECTION VII .. STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORING PRECAUTIONS	Keep product containers cool, dry and away from sources of ignition. Use and store with adequate ventilation.
OTHER PRECAUTIONS	Personnel should avoid inhalation of vapors. Should contact be made, remove saturated clothing and flush with water.

SECTION VIII .. FIRE AND EXPLOSION HAZARD DATA

DOT FLAMMABILITY CLASSIFICATION	Flash Point 142 ^{°F} / 61.12 ^{°C}
EXTINGUISHING MEDIA	Use Foam, CO ₂ or dry chemical fire fighting apparatus.
UNUSUAL FIRE & EXPLOSION HAZARDS	Keep work areas free of hot metal surfaces and other sources of ignition.
HAZARDOUS POLYMERIZATION	The use of self-contained breathing apparatus is recommended for fire fighters. Avoid spreading burning liquid with water. Contact Fire Dept. immediately.

SECTION IX .. PHYSICAL DATA

APPROXIMATE BOILING RANGE 315-390 ^{°F} / 157 -198.9 ^{°C}		
Vapor Density ^(AIR=1) : 4.90		
VOC CONTENT: 278GM/US. 397GM/ CAN per 14oz	Percent Volatile: 70%	Solubility in Water: NEGLIGIBLE
SPECIFIC GRAVITY: ^{Water=1} : .78	Weight Per Gallon: 7LBS	
APPEARANCE AND ODOR: TAN WITH A CHARACTERISTIC ODOR.		

SECTION X .. DOCUMENTARY INFORMATION

Product Code No. TR-311	Issue date Sep-13	Prepared By: M.RAYMONDO / R.LUKICH
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All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.