

MATERIAL SAFETY DATA SHEET

CHEMCO INDUSTRIES, INC.
5731 Manchester Ave., St. Louis, MO 63110



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GENERAL INFORMATION # : 314-647-1888
EMERGENCY TELEPHONE # : (800) 854-4236

I-PRODUCT IDENTIFICATION

TARVA SOL

PRODUCT CODE: #243

CHEMICAL FORMULATION: CITRUS BASED POWERFUL TAR & ASPHALT REMOVER

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH:2 FLAMMABILITY: 3 REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name (s))	CAS #	OSHA PEL	ACGIHTLV	Other Limits	
				Recommended	% optional
SUBSTANCE					
D-LEMMONINE	5989-27-5	N/E	N/E		

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit

N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III/ List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III/ List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - PHYSICAL DATA

BOILING POINT (C/F): 349°F MELTING POINT: N/A
VAPOR PRESSURE (mm Hg.)₂₅ 1.4 SPECIFIC GRAVITY (WATER = 1): 0.84
VAPOR DENSITY (AIR = 1): 0.012 VOC CONTENT (% by weight): N/A
SOLUBILITY IN WATER: EMULSIFIABLE EVAPORATION RATE (Water = 1): 1
pH:

APPEARANCE AND ODOR: LIGHT AMBER BROWN WITH AN ORANGE FRAGRANCE

IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (F/(C)): 125°F TCC

(TEST METHOD):

FLAMMABLE LIMITS: N/A

UPPER: 6.0%

LOWER: 0.7%

EXTINGUISHING MEDIA: DRY POWDER, FOAM

SPECIAL FIRE FIGHTING PROCEDURES: AVOID EXPOSURE TO FUMES OR VAPORS. WEAR SELF-CONTAINED POSITIVE PRESSURIZED BREATHING APPARATUS MSHA/NIOSH APPROVED OR EQUIVALENT.

UNUSUAL FIRE AND EXPLOSION HAZARD: KEEP AWAY FROM HEAT, SPARKS & OPEN FLAME. USE SPRAY TO COOL ADJACENT FIRE EXPOSED CONTAINERS. COMBUSTIBLE.

V - REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY: CATIONICS (SEE ABOVE)

CONDITIONS TO AVOID: STRONG OXIDIZING AGENTS, SPARKS & FLAMES

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON DIOXIDE AND CARBON MONOXIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: N/A

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VI - HEALTH AND HAZARD DATA

ROUTES OF ENTRY: INHALATION? YES SKIN? NO DERMAL LD 50 5g/Kg INGESTION? ORAL ld50 (Rats) 5g/Kg
CARCINOGENICITY: NTP? N/E IARC MONOGRAPHS? N/E OSHA REGULATED? YES

EFFECTS OF OVEREXPOSURE

IF IN EYES: MAY CAUSE IRRITATION

IF ON SKIN: MAY CAUSE IRRITATION TO OPEN CUTS & SORES

IF SWALLOWED:

IF INHALED:

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: FLUSH WITH FLOWING WATER FOR 15 MINUTES & SEE PHYSICIAN

IF ON SKIN: FLUSH WITH FLOWING WATER FOR 15 MINUTES. SEE A PHYSICIAN IF IRRITATION PERSISTS

IF SWALLOWED: GIVE MILK OR WATER TO DILUTE MATERIAL & DO NOT INDUCE VOMITING. SEE PHYSICIAN
NEVER GIVE ANYTHING BY MOUTH TO ANY UNCONSCIOUS PERSON.

IF INHALED: REMOVE TO AREA OF FRESH AIR.

VII - SPILL AND LEAK PROTECTION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: SQUEEGEE UP, MOP UP AND FLUSH TO SEWER WITH WATER.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE & LOCAL REGULATIONS

VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: Local Exhaust: PREFERRED Mechanical: ACCEPTABLE AT POINT OF VAPOR RELEASE
Special: N/A Other: AVOID BREATHING OF VAPORS

RESPIRATORY PROTECTION: NONE REQUIRED WITH ADEQUATE VENTILATION.

PROTECTIVE GLOVES: IMPERVIOUS RUBBER, SOLVENT RESISTANT

EYE PROTECTION: CHEMICAL GOGGLES OR FACE SHIELD

OTHER PROTECTIVE EQUIPMENT: EYEWASH FACILITIES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AWAY FROM HEAT OR OPEN FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT CONTAMINATE WATER, FOOD OR FEED.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. DO NOT GET IN EYES, ON SKIN OR CLOTHING

WORK/HYGIENIC PRACTICES : PRACTICE GOOD PERSONAL HYGIENE. WASH AFTER HANDLING

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