

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

CITRUS SOLV

PRODUCT CODE: 052C

CHEMICAL FORMULATION: PRESSURIZED CITRUS BASED CLEANER & DEGREASER

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1 FLAMMABILITY: 2 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))	OSHA PEL	ACGIH TLV	Other Limits	
			Recommended	% optional
NON-HAZARDOUS				
ORANGE TERPENES (CAS #5989-27-5)	NE	NE		
HYDROCARBONS (PETROLEUM DISTILLATES)	(CAS #64741-65-7)	NE		
SURFACTANTS		NE		

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 (°f): 349°F	MELTING POINT: N/A
VAPOR PRESSURE (mm Hg): 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
APPEARANCE AND ODOR: LIGHT AMBER BROWN WITH AN ORANGE FRAGRANCE	pH: N/A

IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (°F): 125°F TCC

(TEST METHOD):

FLAMMABLE LIMITS: NE LEL: 0.7% UEL: 6.0%

UPPER: N/A LOWER: N/A

EXTINGUISHING MEDIA: DRY POWDER, FOAM

SPECIAL FIRE FIGHTING PROCEDURES: AVOID EXPOSURE TO FUMES OF 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 WATER SPRAY TO COOL ADJACENT FIRE EXPOSED CONTAINERS. COMBUSTIBLE.

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V - REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY: CATIONICS (SEE ABOVE)
CONDITIONS TO AVOID: STRONG OXIDIZING AGENTS, SPARKS & FUMES
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON DIOXIDE AND CARBON MONOXIDE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE

VI - HEALTH AND HAZARD DATA

ROUTES OF ENTRY **INHALATION:** YES **SKIN:** NO DERMAL LD50 5g/Kg **INGESTION:** ORAL LD50 (Rats) 5g/Kg

CARCINOGENICITY: **NTP?** **IARC MONOGRAPHS?** **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 PHYSICIAN.

IF SWALLOWED: GIVE MILK OR WATER TO DILUTE MATERIAL & DO NOT INDUCE VOMITING. SEE PHYSICIAN.

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. ABSORB ON CLAY. WASH AREA WITH SOAP AND WATER. FLOORS MAY BE SLIPPERY. USE CARE TO AVOID FALLS.

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

VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: **Local Exhaust:** PREFERRED
 Mechanical (General): ACCEPTABLE AT POINT OF VAPOR RELEASE **Special:** N/A
 OTHER: AVOID BREATHING OF VAPORS.

RESPIRATORY PROTECTION: NONE REQUIRED

PROTECTIVE GLOVES: IMPERVIOUS RUBBER, SOLVENT RESISTANT

EYE PROTECTION: SPLASH PROOF CHEMICAL GOGGLES

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.

REMOVE & WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

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