

MATERIAL SAFETY DATA SHEET
(ESSENTIALLY SIMILAR TO OSHA FORM 20, COMPLIES WITH 29CFR 1910:1200)

*****SECTION 1: PRODUCT AND COMPANY IDENTIFICATION*****

MANUFACTURED FOR: MAINTENANCE SOLUTIONS, INC.
ADDRESS: 7755 E. GELDING #C103
SCOTTSDALE, AZ 85260
TELEPHONE NUMBER: (480) 607-9593
DATE ISSUED/REVISED: APRIL 8, 2013
EMERGENCY RESPONSE NUMBER: 800-255-3924
Product name: CITRA-ZOLV #0-270

*****SECTION 2: HAZARDS IDENTIFICATION *****

(PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101)

EMERGENCY OVERVIEW

Appearance: Orange liquid

Odor: Citrus Orange

Risk Summary: Moderate eye and skin irritant. This substance is combustible and will sustain combustion at temperatures above its flashpoint. Avoid heat, sparks and open flame.

Warning! Causes Eye and Skin Irritation

POTENTIAL HEALTH EFFECTS

EYES: Irritating, especially with prolonged exposure. Symptoms may include redness, pain.

SKIN: May be irritating to the skin with prolonged exposure.

INGESTION: Will be irritating to tissues. May be harmful or fatal if swallowed in sufficient quantity. See Section 11 (Toxicological information) for further information.

INHALATION: Vapors may cause respiratory passage irritation in confined spaces. No known long-term hazards.

Chronic: Not considered a carcinogen by NTP, IARC, or OSHA. No known chronic indications.

Environmental Hazards: Marine Pollutant

*****SECTION 3: COMPOSITION/INGREDIENTS*****

AS LISTED IN EPA 40CFR PARTS 261 & 116 AND/OR MASS. DEQE CMR 670.00

PRODUCT	% BY WEIGHT	CAS NO.	OSHA HCS HAZARD(S)
d-Limonene	>85	94266-47-4	Combustible Liquid. Skin and eye irritant.
Nonionic surfactant	>7	9016-45-9	None applicable

EC Classifications:
Xi Irritant
R36 Irritating to eyes.
R38 Irritating to skin.
S24 Avoid contact with skin.
S25 Avoid contact with eyes.

*****SECTION 4: FIRST AID MEASURES*****

Inhalation - Remove person to a ventilated area. See a physician if breathing difficulty persists.

Eyes - Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.

Skin - Remove contaminated clothing. Wash affected areas with soap and water. See a physician if irritation persists.

Ingestion - Drink lots of water to dilute substance. Get immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flash point (method used): >120° F. (49°C.) TCC.

Flammable limits: LEL: NA UEL: NA

Fire extinguishing media: Carbon dioxide, dry chemical, foam.

Special fire fighting procedures: Use CO₂, foam or dry chemical. Use water as a spray only to lower temperature. This substance floats on water. Treat as an oil fire.

Unusual fire and explosion hazards: Vapors can combust and liquids can burn when temperatures reach or exceed the flashpoint.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section 8, Personal Protection.

Environmental Precautions: Do not discharge into surface waters. May be toxic to aquatic organisms.

See Section 2 (Hazards) and Section 12 (Ecological Information) for further information.

Containment and Cleanup Techniques: Exercise caution as hard floors coated with this material may be slippery. Small spills may be absorbed by sand or oil-absorbing materials. Large spills should be collected by pumping into closed containers for recovery or disposal. Spills over water will float and may be collected by oil absorbents or by skimming.

SECTION 7: HANDLING AND STORAGE

Handling: Wear chemical safety glasses or goggles and chemically resistant gloves. A chemically resistant apron may be used to protect clothing. A respirator may be worn to prevent breathing spray mists or heated fumes.

Storage: Store in tightly closed phenolic-lined metal or fluorinated plastic containers. Do not store in untreated plastic. Avoid heat, sparks, and open flames.

*** SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION***

Ventilation: Mechanical ventilation may be necessary at elevated temperatures to control odor.

Respiratory Protection: Organic vapor cartridge may be used to prevent irritation from mists and vapors and for odor elimination.

Skin Protection: Wear chemically resistant rubber gloves and apron (viton, nitrile, and or PVC) to minimize exposure.

Eye Protection: Wear chemical safety glasses, goggles, or face shield to prevent eye contact.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: Colorless to pale amber liquid.

Boiling Point: 176°C (349°F).

Flashpoint: >43°C (110°F) TCC.

Odor: Citrus Orange

Oxidizing Properties: This substance may combust in the presence of strong oxidizers.

pH: None (not water soluble).

Physical State: Liquid.

Solubility in water: less than 0.1%.

Specific Gravity: 0.86 @ 25°C.

Vapor Pressure: 2 mmHg at 20°C.

Vapor Density: >1 (air = 1.0).

SECTION 10: STABILITY AND REACTIVITY DATA

Conditions to Avoid: Excessive temperatures and/or contact with air may cause decomposition or oxidation. Avoid heat, sparks, and flame.

Materials to Avoid: Avoid contact with strong acids, strong bases, and oxidizing agents.

Decomposition Products: Incomplete decomposition product may include CO. Ultimate decomposition products are CO₂ and water.

SECTION 11: TOXICOLOGICAL INFORMATION

Target Organs: Eyes and skin.

Routes of Entry: Eye and skin contact.

Acute Toxicity: TLV not established.

Chronic Toxicity: No known chronic indications.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability: Not determined. Related chemicals are known to be biodegradable.

Aquatic Toxicity: Possible marine pollutant. This substance is immiscible with water. This substance is known to evaporate quickly and biodegrade and should not cause long-term effects.

Bioaccumulation Potential: Not Determined. Related chemicals are known to be non-accumulating in the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHOD

Dispose of this product in accordance with federal, state and local regulations.

RCRA Hazardous Waste: Not classified as a RCRA Hazardous waste

Disposal Methods: Dispose of this material by incineration or recovery at a government-approved disposal facility.

SECTION 14: TRANSPORT INFORMATION

DOT: Proper Shipping Name: Terpene Hydrocarbons N.O.S., 3, UN2319, PG III (**Not Regulated Domestically**)

Exceptions: Chemicals, n.o.i. (Not Regulated) - allowable for shipment in non-bulk containers.

SECTION 15: REGULATORY INFORMATION

CA Proposition 65– Not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

CERCLA – (SARA Title III) Hazard Category – No materials subject to reporting.

(CERCLA). We recommend you contact local authorities to determine if there may be other reporting requirements.

SECTION 16: OTHER INFORMATION

Hazard Ratings (0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe)

HMIS: Health = 1 Flammability = 2 Reactivity = 1 Personal Protection = C

NFPA: Health = 1 Flammability = 2 Reactivity = 0

ADDITIONAL COMMENTS: The information in this MSDS was obtained from current and reputable sources. However, the data is provided without warranty, express or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product.