

SAFE SOLVE D'LIMONENE

SAFE SOLVE D'LIMONENE is a non-toxic, non-hazardous, very effective, safe solvent used to remove dirt, grease, oil, sludge, varnish from parts, electrical equipment, engines, carburetors, transformers, generators.

SAFE SOLVE D'LIMONENE is based on citrus byproduct and the major component of orange oil. It is a C 10 Monocyclic terpene. D'Limonene is very effective as a safety solvent and does not leave a residue or an undesirable film on the surface.

Excellent for use in vapor degreaser because it is non-toxic and does not form a dangerous vapor in the atmospheric and application areas.

- Highly reliability
- High-density
- low surface tension
- Pleasant odor (orange-lemon)

APPLICATIONS

- Degrease and cleaner to replace TCE solvent
- Cleaner for electrical and mechanical equipment
- Water repellent
- Cleans heavy metal parts
- Cleans transformers
- Painted parts
- Removes oil, grease, sludge and dirt

The manufacture of Safe Solve D'Limonene is ecologically sound since discarded citrus pulp and peels from the citrus juice industry are used as the source material for this versatile chemical.

- Bio-degradable
- Natural solvent
- Non-acidic
- Non-corrosive
- Non toxic
- Non polluting
- Leaves no film
- Cleans naturally
- Highly concentrated

FRESH CITRUS ODOUR LIQUIFIES INSTANTLY

TECHNICAL DATA SHEET

ENVIROSAFE CHEMICALS CANADA MATERIAL SAFETY DATA SHEET

SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: D'Limonene Safe Solve PRODUCT IDENTIFICATION NUMBER (PIN) DSS200
PRODUCT USE: Lemon & orange oil called Monoterpene (organic solvent)
MANUFACTURER'S NAME: EnviroSAFE Chemicals Canada
ADDRESS: PO Box 1792 - 10011 Thatcher Avenue
CITY: North Battleford PROVINCE: SK POSTAL CODE: S9A 3W8 TEL: 306-446-0505

SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC OF INGREDIENT (SPECIFY SPECIES) TLV (ACGIH)
D'limonene	60-100	5989-27-5	4400 mg/kg oral rat	not available
Non-hazardous ingredients balance				

SECTION 3-PHYSICAL DATA

PHYSICAL STATE: liquid ODOUR AND APPEARANCE: ODOUR THRESHOLD (PPM): Not available
Colour-less lemon/orange odour
VAPOUR PRESSURE: MM HG/20°C: 1.2 VAPOUR DENSITY: 4.7 EVAPORATION RATE: (Butyl Acetate=1): <1
m Hg) (AIR=1)
BOILING POINT (°C): 310°F FREEZING POINT (°C): Not available pH: Not available
SPECIFIC GRAVITY: 0.840 CO EFF. WATER/OIL DIST.: Not available

SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: Yes, if sprayed in open flame, sparks etc.
IF YES UNDER WHICH CONDITION? May form flammable mixture.
MEANS OF EXTINCTION: dry chemical, foam, and carbon FLASHPOINT (°C) AND METHOD: 115°F closed
Dioxide, water spray cup
UPPER FLAMMABLE LIMIT (% BY VOLUME): not applicable LOWER FLAMMABLE LIMIT (% BY VOLUME):
Not applicable
AUTO IGNITION TEMPERATURE (°C): 458°F HAZARDOUS COMBUSTION PRODUCTS: oxides of carbon
EXPLOSION DATA SENSITIVITY TO IMPACT: none known SENSITIVITY TO STATIC DISCHARGE: none
Known

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Stable
If No? UNDER WHICH CONDITION?
INCOMPATIBILITY WITH OTHER SUBSTANCES: Yes, strong oxidizing agents, Halogens, vinyl Chloride.
REACTIVITY AND UNDER WHAT CONDITIONS: Not available
HAZARDOUS DECOMPOSITION PRODUCTS: May liberate carbon monoxide, carbon dioxide, and unidentified
organic compounds in black smoke.

TECHNICAL DATA SHEET

ENVIROSAFE CHEMICALS CANADA

pg2

PRODUCT IDENTIFICATION: D'LIMONENE SAFE-SOLVE

SECTION 6-TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT: X SKIN ABSORPTION: X EYE CONTACT: X INHALATION: X INGESTION: X

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Moderate skin, throat, respiratory passage and eye irritations probable.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: skin-prolonged or repeated exposure can cause skin Drying.

EXPOSURE LIMITS: None reported

IRRITANCY OF PRODUCT: moderate

SENSITISATION OF PRODUCT: repeated or prolonged contact may cause allergic response.

CARCINOGENICITY: This material is not considered to be a carcinogen by the National toxicology program, the International agency for Research on cancer.

TERATOGENICITY: no data available

REPRODUCTIVE TOXICITY: no data available

MUTAGENICITY: no data available

SYNERGISTIC PRODUCTS: not applicable

SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: not normally required

GLOVES: PVA, PVC or latex rubber **RESPIRATOR:** dust mask if misty **EYE:** chemical splash goggles
Conditions prevail

FOOTWEAR: Rubber boots

CLOTHING: Trousers/apron

OTHER: eye bath

ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS): general ventilation normally adequate.

LEAK AND SPILL PRODUCE: small spills-wipe up material with paper rags and dispose of in closed metal Waste container. Large spills-use flammable absorbent, keep from flame or sparks.

WASTE DISPOSAL: Review all Federal, Provincial and Local government requirements prior to disposal.

HANDLING PROCEDURES AND EQUIPMENT: use solvent resistant materials in storage and handling.

Keep away from heat, sparks and open flames.

STORAGE REQUIREMENTS: store in closed container, away from incompatible materials.

SPECIAL SHIPPING INFORMATION: combustible liquid n.o.s. class n. r. p. g: III product indent no. DSS200
Label as "Consumer Commodity"

SECTION 8-FIRST AID MEASURES

EYE: Immediately flush with water for 15 minutes. Call a physician

SKIN: Flush with water. Call a doctor if irritation develops

INHALATION: remove to fresh air if symptoms persist, call a physician

INGESTION: do not induce vomiting. Contact a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. If conscious, give lots of water or milk. Call a physician.

SECTION 9-PREPARATION DATE OF MSDS

PREPARED BY: ENVIROSAFE TECHNICAL DEPT. PHONE NUMBER: 306-446-0505

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