



Prairie Mud Service

738-6th St. Estevan, SK Ph: 1-306-634-3411

MSDS

(Material Safety Data Sheet)

CITRASOLVE

SECTION I: PRODUCT INFORMATION

Product Identifier → CITRASOLVE

Product Use →

Commercial Degreaser, Detergent, Cleaning Solution

Manufacturer's Name & Address →

Prairie Petro-Chem

738 – 6th Street

Estevan, SK

S4A 1A4

EMERGENCY #

Ph: 306-634-5808

Fx: 306-634-6694

Product Identification Number (PIN) →

Bulk only - Class 3, UN-1993, P.G. III. See Section VII, "Special Shipping Information".

WHMIS Classification Symbols→



WHMIS Classification → B-2 Flammable Liquid;
D2-B Materials Causing Other Toxic Effects
(Carcinogenicity)

SECTION II: HAZARDOUS INGREDIENTS

Component → D-LIMONENE

ACGIH OSHA Other

CAS No.	%	TVL	PEL	Limit	Hazard
5989-27-5	35-45	-----	not listed	-----	Combustible

LD₅₀ (Oral, rat) → 4400-5600 mg/kg (1)

LD₅₀ (Dermal, rabbit) → N/D

LC₅₀ (Inhalation, rat) → N/D

Component → POLYETHYLENE NONYL PHENOL ETHER

ACGIH OSHA Other

CAS No.	%	TVL	PEL	Limit	Hazard
9016-45-9	10-15	-----	not listed	-----	-----

LD₅₀ (Oral, rat) → 1310 mg/kg (1)

LD₅₀ (Dermal, rabbit) → 2000 mg/kg (1)

LC₅₀ (Inhalation, rat) → N/D

Component → 2-BUTOXY-ETHANOL

ACGIH OSHA Other

CAS No.	%	TVL	PEL	Limit	Hazard
111-76-2	35-45	25ppm	N/D	N/D	Combustible

LD₅₀ (Oral, rat) → 1480 mg/kg (1)

LD₅₀ (Dermal, rabbit) → 490 mg/kg (1)

LC₅₀ (Inhalation, rat) → 450 ppm 4 hrs (1)

SECTION III: PHYSICAL DATA

Physical State (Gas, Liquid, Solid) → Liquid

Odour and Appearance → Clear Yellow Liquid;
Orange Odour

Odour Threshold → N/D

Vapour Pressure mmHg @20°C → < 1

Vapour Density → N/D

Evaporation Rate → N/D

Boiling Point @760mmHg → 165 °C

Freezing Point °C → -40

pH → N/A

Specific Gravity @20°C → 0.88

Solubility in Water @20°C, wt.% → Turns Milky in
Water (Emulsifies)

SECTION IV: FIRE OR EXPLOSION HAZARD

Flash Point → 47°C

Upper Explosive Limit (% by Volume) → 6.5

Lower Explosive Limit (% by Volume) → 0.7

Auto-Ignition Temperature → N/A

Extinguishing Media → Water, dry chemical, carbon
dioxide and chemical foam.

Fire Fighting Procedures → Addition of water to
burning liquid will reduce the intensity of the
flame.

Hazardous Combustion Products → Carbon
monoxide, carbon dioxide and organic
compounds in black smoke.

Unusual Fire and Explosion Hazards → The vapour-
air mixture may be ignited by a spark or open
flame.

SECTION V: REACTIVITY DATA

Stability → Product is Stable.

Conditions to Avoid → Heat, Sparks, Open Flames and
all other sources of ignition.

Materials to Avoid → Avoid contact with alkalis, strong
oxidants, organic and inorganic acids,
peroxides, halogens and vinyl chloride.

Conditions of Reactivity → None.

Hazardous Decomposition Products → Carbon
monoxide, Carbon dioxide, and unidentified
organic compounds in black smoke.

SECTION VI: TOXICOLOGICAL PROPERTIES

Route of Entry → Skin Contact	<u>YES</u>
Skin Absorption	<u>YES</u>
Eye Contact	<u>YES</u>
Inhalation	<u>YES</u>
Ingestion	<u>YES</u>





SECTION VI: TOXICOLOGICAL PROPERTIES

(Continued from Page 1)

Effects of Exposure When →

Inhaled – Mist inhalation may cause irritation of eyes, nose and throat. Inhalation of very high concentrations may cause headaches, nausea, vomiting and coma.

In Contact With Skin - Exposure may cause irritation. Prolonged contact may cause allergic skin response (redness, swelling and itching). This material is absorbed through skin. Frequent contact may absorb harmful amounts of material.

In Contact With Eyes – Mists may cause moderate to severe eye irritation.

Ingested - May cause headache, dizziness, nausea and diarrhea.

Exposure Limits → Not established for finished product. See Section II 'Hazardous Ingredients' for item limits.

Carcinogenicity → The ingredients of this product are not listed as carcinogens by NPT (National Toxicology Program), not regulated as carcinogens by OSHA (Occupational Safety and Health Administration), and have not been evaluated by IARC (International Agency for Research on Cancer) or ACGIH (American Conference of Government Industrial Hygienists).

Reproductive Toxicity → No information is available and no adverse reproductive effects are anticipated.

Mutagenicity → No information is available and no adverse mutagenic effects are anticipated.

Teratogenicity → No information is available and no adverse teratogenic effects are anticipated.

Synergistic Materials → None known.

SECTION VII: PREVENTIVE MEASURES

Respiratory Protection → In confined areas where TLV may be exceeded use of an organic vapour cartridge may be necessary. If concentrations exceed 1,000 ppm or are unknown, use of a self-contained breathing apparatus is recommended.

Protective Gloves → Impervious Gloves.

Eye Protection → Chemical Safety Goggles or Face Shield when there is potential for eye contact.

Other Protective Equipment → Impervious apron and boots, eye bath and shower.

Ventilation → Provide adequate ventilation to prevent exceeding TLV. Use local exhaust if necessary.

Spill and Leak Procedure → Eliminate all sources of ignition. Stop or reduce discharge if safe to do so. Prevent from entering water sources or sewers. Ventilate enclosed spaces.



LARGE SPILLS: Warn public of potential downwind explosion hazard due to flashback of flammable vapours. Contain by dyking for release to land, or booming/damming for release to water. Recover product and collect contaminated soil or water for treatment and or/disposal.

SMALL SPILLS: Contain by applying sorbent. Collect waste absorbent and contaminated soil for disposal. For significant releases contact regulatory authorities.

Waste Disposal → Dispose of waste materials in an approved incinerator or waste treatment/disposal facility in accordance with applicable regulations. Do not dispose of wastes in local sewer or with normal refuse.

Handling Procedures & Equipment → Work practices and equipment must be designed to prevent any body contact with the solution. Do not store this product in aluminum containers. Wash thoroughly after handling. No smoking and non-sparking tools should be used.

Storage Requirements → Store in a cool, well-ventilated area, away from incompatible material. All tanks and equipment must be grounded. Keep ignition sources away. Wash off residues in the empty containers.

Special Shipping Information →

CANADIAN TDG ACT SHIPPING INFORMATION:
Shipping Name: Flammable Liquid, N.O.S.
(D⁺Limonene)

Primary Class: 3

Sub Class: none

Product Identification No.: UN1993

Packing Group: III

Note: Product is non regulated when packaged in containers ≤ 450 litres and transported by road, rail or domestic ship.

SECTION VIII: FIRST AID MEASURES

First Aid Procedures When →

Inhaled – Remove victim to fresh air. Restore and/or support breathing. Call a physician.

In Contact With Skin - Immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing under a safety shower. If irritation persists, obtain medical advice.

In Contact With Eyes - Flush eyes thoroughly with water for at least 20 minutes, holding eyelids open. Obtain medical attention immediately.

Ingested - Do not induce vomiting. Have victim drink 240-300 ml of water. Obtain medical advice immediately.





Prairie Mud Service

738-6th St. Estevan, SK Ph: 1-306-634-3411

MSDS

(Material Safety Data Sheet)

SECTION IX: PREPARATION INFORMATION

Prepared By → Product Safety Committee
(WHMIS Division)

Date of Preparation → October 15, 2009

The above information is supplied as a customer service and is provided in good faith. Although it has been based on data drawn from sources deemed to be reliable, Prairie Mud Service cannot guarantee its accuracy and assumes no responsibility for conditions resulting from its use.

END OF MSDS

KEY TO ABBREVIATIONS

N/D – No Data Available

LD₅₀ – Lethal Dose

N/A – Not Applicable

LC₅₀ – Lethal Concentration