

1. IDENTIFICATION

Product Identifier

Product Name COMMANDER
Chemical Name Solvent blend

Recommended use of the chemical and restrictions on use

Recommended use Degreaser
Restrictions on use For industrial use only

Supplier details

West Penetone Inc. 11411-160 Street
 Edmonton, AB,
 T5M3T7
 Tel: 780-454-3919

Emergency Telephone Number

(780) 454-3919 (Mon – Fri, 8 AM – 4:30 PM, Mountain time)
 CANUTEC 1-613-996-6666 Internationally or 1-888-226-8832 – North America FOR 24 HOUR TRANSPORT EMERGENCY

2. HAZARDS IDENTIFICATION

Classification

Flammable liquids	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Aspiration hazard	Category 1
Carcinogenicity	Category 1B
Germ cell mutagenicity	Category 1B
Specific Target Organ Toxicity: Single Exposure (Respiratory, Central Nervous System)	Category 3

Label Elements

DANGER

Flammable liquid and vapor
 Causes skin irritation. Causes serious eye irritation.
 May be fatal if swallowed and enters airways.
 May cause drowsiness or dizziness. May cause respiratory irritation.
 May cause cancer. May cause genetic defects.



Precautionary Statements - Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
 Keep container tightly closed. Ground/bond container and receiving equipment. Take precautionary measures against static discharge.
 Use explosion-proof electrical equipment and use only non-sparking tools.
 Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink, or smoke when using this product.
 Use only outdoors or in a well-ventilated area. Avoid breathing fume, mist, vapors, or spray

Wear protective gloves, protective clothing, and eye protection or face protection.

Precautionary Statements - Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. IF SKIN irritation occurs: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF eye irritation persists: Get medical advice/attention.

IF exposed or concerned: Get medical advice/attention.

In case of fire: Use carbon dioxide, foam, or dry chemical to extinguish.

Precautionary Statements - Storage

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight %
Stoddard solvent	8052-41-3	30 – 60*
Naphtha (petroleum), light aromatic	64742-95-6	10 – 30*
Diethylene glycol monobutyl ether	112-34-5	10 – 30*
Xylene	1330-20-7	1 – 5*
Cocoamide diethanolamine	68603-42-9	1 – 5*
Alcohols, C9-11, ethoxylated	68439-46-3	1 – 5*

*Actual concentration is withheld as a trade secret

4. FIRST AID MEASURES

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician immediately.

Skin contact: Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.

Inhalation: If difficulties occur after mist/vapors/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice if eye irritation occurs.

Most important symptoms and effects, both acute and delayed.

Contact with eyes may cause serious damage or irritation leading to discomfort, redness, swelling or blindness. Contact with skin may cause irritation with local redness and possible dermatitis shortly after exposure. Inhalation of vapors may cause drowsiness or dizziness, headaches, fatigue, muscular weakness and in extreme cases, loss of consciousness. Inhalation of vapors may cause irritation of the respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may cause pneumonitis or pulmonary edema if aspirated.

Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water fog, foam, dry chemical, or carbon dioxide to extinguish flames.

Unsuitable Extinguishing Media

Do not use water jet.

Specific hazards arising from the chemical.

During fire, gases hazardous to health may be formed including oxides of carbon, nitrogen and sulfur.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment.

Environmental Precautions

Avoid discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up.

Contain and solidify with inert absorbent materials. Keep in suitable, closed containers for disposal. Following product recovery, flush area with water. For large spills, stop flow of material, prevent product from entering drains, and pump off product where this is without risk and possible. Proceed as above.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling:

Avoid inhalation of fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and clothing. Ensure thorough ventilation of work areas. Use personal protective equipment. Use proper bonding or ground procedures. Keep away from sources of ignition. Smoking should be prohibited in the application area

Conditions for safe storage, including any incompatibilities

Storage:

Keep containers tightly closed away in a dry, cool and well-ventilated place, away from incompatible materials.

Incompatible Materials:

Strong oxidizing agents and concentrated mineral acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Stoddard solvent CAS 8052-41-3	TWA: 100 ppm	Not available	Not available
Naphtha (petroleum), light aromatic CAS 64742-95-6	TWA: 200 mg/m ³	Not available	Not available
Diethylene glycol monobutyl ether CAS 112-34-5	TWA: 10 ppm	Not Available	Not Available

Appropriate engineering controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection: Safety glasses with side shields or goggles. Use a face-shield where mode of handling increases risk of splashing.

Skin and body protection: Wear protective gloves and protective clothing.

Respiratory Protection: Wear respiratory protection if ventilation is inadequate.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Colourless or yellow-brown liquid

ODOR:

Petroleum and pine

ODOR THRESHOLD:

Not available

pH:

Not applicable

MELTING POINT / FREEZING POINT:

Not available

BOILING POINT/BOILING RANGE:

Approximately 148 °C to 300 °C

FLASH POINT:

45°C / 113°F

EVAPORATION RATE, water = 1:

>1

FLAMMABILITY (SOLID, GAS):

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C:

Not available

VAPOR DENSITY (Air = 1):

Not available

RELATIVE DENSITY AT 20°C:

0.850 – 0.870

SOLUBILITY IN WATER:

insoluble

PARTITION COEFFICIENT, N-OCTANOL/WATER:

Not available

AUTO-IGNITION TEMPERATURE:

Approx. 260 °C

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not available

FLAMMABLE LIMITS:

Not available

10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid

Avoid extreme temperatures. Store away from incompatible materials.

Incompatible Materials

Strong oxidizing materials and concentrated mineral acids.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to release of irritating gases and vapors such as oxides of carbon as well as other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

ATE_{mix} – LD50 oral >2000 mg/kg, LD50 dermal >2000 mg/kg, LC50 inhalation >5 mg/L

Not classified as an acutely toxic mixture.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Stoddard solvent CAS 8052-41-3	>5000 mg/kg (rat)	>3000 mg/kg (rabbit)	> 13.1 mg/L vapour, 4 h (rat)
Naphtha (petroleum), light aromatic CAS 64742-95-6	>3492 mg/kg (rat)	>3160 mg/kg (rabbit)	>6193 mg/m ³ vapour, 4 h (rat)
Diethylene glycol monobutyl ether CAS 112-34-5	>4500 mg/kg (rat)	>2764 mg/kg (rabbit)	>29 ppm, 2 h (rat)
Cocoamide diethanolamine CAS 68603-42-9	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
Alcohols, C9-11, ethoxylated 68439-46-3	>1200 mg/kg (rat)	>2000 mg/kg (rat)	Not listed

Information on likely sources of exposure

Ingestion	May cause stomach pains, nausea, diarrhea other delayed effects.
Skin corrosion/irritation	May causes skin irritation and other allergic reactions
Inhalation	May cause respiratory irritation, drowsiness, or dizziness.
Serious eye damage/irritation	May cause serious eye damage or irritation with redness, swelling pain or blindness

Delayed and immediate effects and chronic effects from short and long-term exposure

Respiratory or skin sensitization	Causes drying of the affected area and dermatitis
Germ cell mutagenicity	May cause genetic defects.
Carcinogenicity	Exposure to certain chemicals found in Stoddard solvent, naphtha (petroleum), light aromatic increases the risk of developing certain cancers.
Reproductive toxicity	None known.
STOT - single exposure	Exposure to Stoddard solvent and naphtha (petroleum), light aromatic may cause respiratory irritation and drowsiness/dizziness. This effect is not expected to be permanent.
Aspiration Hazard	Stoddard solvent and naphtha (petroleum), light aromatic, may be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics.

Skin and eye irritation. Possible delayed effects due to prolonged or repeated skin exposure. Ingestion may cause irritation or a burning sensation of the mouth and throat, abdominal pain accompanied by nausea, vomiting, and diarrhea. Inhalation may cause irritation of nose, mouth, and upper respiratory tract, coughing, difficulty breathing, as well as headaches dizziness or nausea at high concentrations.

12. ECOLOGICAL INFORMATION

Persistence and degradability

Expected to be biodegradable

Mobility in soil

No information available

Bioaccumulative potential

No information available.

Other adverse effects

This product contains ingredients that are hazardous to aquatic life. Do not release into natural waters.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.

Contaminated Packaging Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

UN Number: 1993
UN Proper Shipping Name: Flammable liquid N.O.S. (petroleum distillates)
Transport Hazard Class(es)

Class: TDG: 3
US DOT: 3
IMDG: 3

Label(s): 3
Packing Group: III
Marine Pollutant: No

Special precautions for user: None established

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not determined.

15. REGULATORY INFORMATION

Canada (DSL/NDSL)

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

United States (TSCA)

All ingredients contained in this product are listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

Preparation Date April 26, 2023
Revision Date Not applicable
Revision Note Not applicable

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet