

MATERIAL SAFETY DATA SHEET

FC320 INDUSTRIAL CLEANER & DEGREASER

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Industrial Cleaner & Degreaser FC320
WHMIS Classification: D-2B Irritant
Chemical Family: Industrial Degreasing Cleaner
Product Use: Routine cleaning with mechanical equipment and heavy duty cleaning.
Distributor: FCS Solutions Ltd.
Address: #71513, 12955-153 Avenue NW
 Edmonton, AB
Telephone: 1-780-487-3787, 1-877-288-3787

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS#	Percent	CL ₅₀ / DL ₅₀
Sodium metasilicate	6834-92-0	2 – 5	Oral (DL ₅₀): > 1143 mg/kg (Rat)
Ethoxilate alcohol	68439-46-3	2 – 5	Oral (DL ₅₀): > 2000 mg/kg (Rat)
Propyl ether propylene glycol	1569-01-3	3 – 8	Oral (DL ₅₀): > 2000 mg/kg (Rat)
Methyl ether dipropylene glycol	34590-94-8	3 – 8	Oral (DL ₅₀): > 5000 mg/kg (Rat)

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview: This product is a clear liquid with a mild citrus odor. Upon contact, it may cause irritation to the eyes and mild irritation to skin. Misting or inhalation may cause mild irritation of mucous membranes. If ingested, it may cause vomiting, headaches and medical problems.
Potential Health Effects:
Eyes: Contact with liquid may cause irritation.
Skin: Prolonged contact with skin can cause mild irritation.
Skin absorption: Prolonged or repeated exposure can cause irritation and drying.
Ingestion: Can cause nausea, vomiting and gastrointestinal irritation.
Inhalation: Misting or inhalation may cause mild irritation of mucous membranes.
Chronic Effects:
Skin: Prolonged or repeated exposure can cause drying of skin.

SECTION 4 – FIRST AID MEASURES

Eye: Immediately flush with warm running water for 15 minutes, holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.
Skin: Immediately flush exposed area with mild soap and water for at least 10 minutes. If irritation persists or if contact has been prolonged, obtain medical attention. Remove contaminated clothing and laundry before reuse.
Inhalation: Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion: Do Not Induce Vomiting. If the person is fully conscious, rinse mouth with water and drink a glass of water. Obtain medical attention immediately. Never give anything by mouth if the victim is unconscious, is rapidly losing consciousness or is convulsing.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability: Not flammable.
Flash Point: (°F, °C, PMCC) None.
Auto-ignition Temperature: (°F, °C): Not applicable.
Flame propagation or Burning Rate of Solid Materials: Not applicable.
Sensitivity to static discharge: Not applicable.
Sensitivity to Mechanical Impact: Not applicable.
Extinguishing Media: Water fog, alcohol foam and dry chemical.
Special Fire Fighting Procedures: Directing a solid stream of water into a hot burning liquid can cause frothing and spread the fire. Use self-contained breathing apparatus and full body protection.
Unusual Fire and Explosion Hazards: None
Hazardous Decomposition Products: Oxides of carbon and nitrogen.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Evacuate area. Ventilate area. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. Small spills may be absorbed with non-reactive absorbent (sand) and placed in suitable, covered, labeled containers. For large spills, provide diking or other appropriate containment to keep material from spreading. Prevent large spills from entering sewers or waterways. If diked material can be pumped, store recovered material in compatible drums for recovery or disposal. Observe all personal protection equipment recommendations.

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SECTION 7 – HANDLING AND STORAGE

Storage Requirements: Keep Out Of Reach Of Children. Keep container tightly closed. Store in a cool, dry place away from incompatible materials.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering controls: General ventilation is usually adequate.

Respiratory protection: Not normally required if good ventilation is maintained.

Eye protection: Use chemical safety glasses or full face shield.

Skin protection: Use impervious (rubber, nitrile) gloves.

Other protective clothing or equipment: Eye bath, Safety shower, Full protective clothing.

Work Hygienic practices: The usual precaution for the handling of chemicals must be observed.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless liquid.

Physical State: Liquid

Solubility in water: Soluble (100% in water)

Boiling point: 100°C / 212°F

Freezing point: 0°C

% Volatile: 0

Odor: Citrus

PH: 11.5 – 12

Density: 1.08

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: Avoid contact with strong acids and strong oxidizers.

Incompatible Materials: Strong acids and oxidizers.

Hazardous Decomposition Products: Decomposition may produce oxides of carbon and nitrogen.

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Irritation: This product may cause irritation to the eyes and skin upon contact.

Carcinogenicity: N/A.

Teratogenicity, Mutagenicity, Reproductive effects: No data available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Meets ECOLOGO standards: Degreasing cleaner CCD-146F

Environmental Fate: All components are readily biodegradable as per OECD 301E.

VOC: 0

SECTION 13 – DISPOSAL CONSIDERATIONS

Review federal, provincial, state or local government requirements prior to disposal.

SECTION 14 – TRANSPORT INFORMATION

U.S. Department of Transportation (Road or rail): Not Regulated.

Canadian T.D.G.: Not Regulated

IMO Water Transportation: Not Regulated.

IATA Air Transportation: Not Regulated.

SECTION 15 – REGULATORY INFORMATION

Occupational Health & Safety Regulations:

WHIMS Classification: Not WHIMS controlled

Environmental Regulations Lists:

Toxic Substance Control Act (TSCA): All the ingredients are listed on the Chemical Substance Inventory.

Canadian Non-Domestic Substance List (NDSL): All ingredients are listed.

SECTION 16 – OTHER INFORMATION

Shipping containers:

Polyethylene drums

Polyethylene pails and bottles

Date: January 1, 2018

Disclaimer: As the handling and use of products under user's conditions are beyond our control, no warranty, expressed or implied, including, but not limited to merchantability or fitness for a particular use, is made concerning this product. The user assumes all risk of use or handling whether or not in accordance with any directions or suggestions of the supplier. Seller shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our products, from breach of any warranty or from any other cause, the exclusive remedy against the seller being to require replacement or repair of defective goods.