

## Section 1 - Chemical Product and Company Identification

<b>Product Name</b>	CDG 102
<b>Synonyms</b>	Not applicable
<b>Product Use</b>	Degreaser
<b>Restrictions on Use</b>	None known
<b>Supplier</b>	CFR Chemicals 38451 Range Road 22 County of Red Deer T4E 2N6
<b>General Assistance</b>	1 (877) 269-3419
<b>Emergency Telephone</b>	<b>Not Dangerous Goods – Call General Assistance</b>
<b>Date of Preparation of SDS</b>	<b>April 1, 2017</b>

## Section 2 – Hazard Identification

**Signal Word**  
**GHS Pictogram(s)**

Warning



**Hazard Statement:**

H315

Causes skin irritation

H319

Causes serious eye irritation.

**Precautionary Statement**

P264

Wash skin thoroughly after handling.

P280

Wear protective gloves/eye protection/face protection.

**Response**

P321

Specific Treatment: See this label

P302 + P352

IF ON SKIN: Wash with plenty of water.

P332 + P313

If skin irritation occurs: Get medical advice/attention

P362 + P364

Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313

If eye irritation persists: Get medical advice/attention.

**Storage**

No statements

**Disposal**

No statements

**GHS Classification**

Skin corrosion/irritation (Category 2)

Serious eye damage/eye irritation (Category 2A)

**HMIS Classification**

**Health Hazard**

**1**



Chronic Health Hazard \*  
Flammability 0  
Physical Hazards 0

**Potential Health Effects**

**Inhalation** May be harmful if inhaled.  
**Skin** Causes skin irritation.  
**Eye** Causes serious eye irritation.  
**Ingestion** May be harmful if swallowed.

**Section 3 – Composition Information on Ingredients**

HAZARDOUS INGREDIENT	Hazardous Ingredient, Synonyms	PERCENT	CAS NUMBER
Water	H <sub>2</sub> O, Aqua	80 – 90 %	7732-15-5
Ethoxylated Alcohol, C7 – C21	Not applicable	5 – 10%	68991-48-0
Sodium metasilicate, pentahydrate	Sodium silicate	0 – 9%	6834-92-0
Sodium gluconate	Not applicable	0 – 9%	527-07-1

\* = Various \*\* = Mixture \*\*\* = Proprietary

**Section 4 - First Aid Measures**

**Inhalation** Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower lids. Check for and remove contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

**Skin Contact** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** Get medical attention immediately. Call a poison control centre or physician. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.

**Most Important Symptoms/Effects both Acute and Delayed**

Not available

**Note to Physician**

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## Section 5 – Fire-Fighting Measures

<b>Flash Point (°C)</b>	Non-flammable
<b>Flash Point Method</b>	PMCC
<b>Auto Ignition Temperature</b>	Not applicable
<b>Conditions of Flammability</b>	Non-flammable
<b>Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to fight surrounding fire.
<b>Unsuitable Extinguishing Media</b>	No data available
<b>Unusual Fire/Explosion Hazard</b>	No data available
<b>Hazardous Combustion Products</b>	No data available
<b>Fire Fighting Equipment</b>	Standard firefighter bunker gear.
<b>Special Precautions for Firefighters</b>	No data available.

## Section 6 – Accidental Release Measures

<b>Personal precautions</b>	Use personal protective equipment. Avoid breathing vapours, mist or gas.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains, waterways or the environment.
<b>Methods and materials for containment and cleaning up</b>	Slowly neutralize spill with a dilute acid (citric acid, vinegar). Absorb spill with non-combustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations. Small spills can be diluted with water and washed down the drain.

## Section 7 – Handling and Storage

<b>Precautions for safe handling</b>	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Ground all equipment containing material.
<b>Conditions for safe storage</b>	Store in cool, dry well ventilated area. Segregate from acids and acid forming substances.
<b>Materials to avoid</b>	Acids, strong reducers, strong oxidizers.

## Section 8 – Exposure Controls / Personal Protection

**Occupational Exposure Limits**

**Ingredient Name**

Ethoxylated Alcohol, C7 – C21

**Exposure Limits**

Canada, Alberta OHSC Code



Sodium metasilicate, pentahydrate    None established  
**Canada, Alberta OHSC Code**  
 None established

Sodium gluconate    **Canada, Alberta OHSC Code**  
 None established

**Personal protective equipment**

**Eye/face protection**    Chemical safety glasses with side shields to prevent eye contact.

**Skin protection**    Wear chemical resistant gloves, impermeable protective clothing and safety shoes.

**Respiratory protection**    Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary.

**General hygiene Considerations**    Handle in accordance with good industrial hygiene and safety. Eye wash fountains and safety showers must be easily accessible.

**Specific engineering controls**    No special ventilation requirements.

**Section 9 – Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Water Solubility</b>	Soluble in water
<b>Appearance &amp; Odour</b>	Clear, colourless to pale yellow. Mild odour.	<b>Boiling Point</b>	>100°C
<b>Vapour Pressure</b>	No data available	<b>Boiling Point Range</b>	Not applicable
<b>Vapour Density</b>	No data available	<b>Melting Point</b>	0°C
<b>Specific Gravity</b>	1.03 – 1.08	<b>Freezing Point</b>	0°C
<b>Partition coefficient (n-octonal/water)</b>	Not available	<b>Lower Explosive Limit (LEL)</b>	Not available
<b>pH</b>	11.5 – 12.5	<b>Upper Explosive Limit (UEL)</b>	Not available
<b>Flashpoint (Method)</b>	Not Flammable	<b>Auto Ignition temperature</b>	Not available
<b>Odour Threshold</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Flammability (Solid, Gas)</b>	Not available		
<b>Decomposition Temperature</b>	Not available	<b>Viscosity</b>	Not available

**Section 10 – Stability and Reactivity**

**Reactivity**    Non-reactive.

**Chemical stability**    Stable under recommended storage conditions.

**Possibility of hazardous reactions**    Contact with acids will release heat and carbon dioxide.

**Conditions to avoid**    Contact with all acids.

**Materials to avoid**    Acids, strong reducers, strong oxidizers.

**Hazardous decomposition products**    Can thermally decompose to carbon oxides.



**Section 11- Toxicological Information**

**Information on Likely Routes of Exposure**

- Inhalation** May be harmful if inhaled.
- Skin** Causes skin irritation.
- Eye** Causes serious eye irritation.
- Ingestion** May be harmful if swallowed.

**Acute and Chronic Toxicity**

No data available.

**Acute toxicity**

Product/Ingredient Name	Result	Species	Dose	Exposure
Ethoxylated Alcohol, C7 – C21	LD50 Oral	Rat	>2000mg/kg	-
Sodium metasilicate, pentahydrate	LD50 Oral	Rat	1152 – 1349mg/kg	-
Sodium gluconate	LD50 Oral	Rat	1288 mg/kg	-

**Skin corrosion/irritation** Causes skin irritation

**Serious eye damage/ Eye irritation**

Causes serious eye irritation

**Respiratory or skin sensitization**

No data available

**Mutagenicity**

No known significant effects or critical hazards

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Reproductive toxicity** No data available

**Teratogenicity** No data available

**Target Organ effects** No data available

**Aspiration hazard** No aspiration hazard expected.

**Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure**

**Short Term Exposure**

**Potential immediate Health Effects** No data available

**Potential Delayed Health Effects** No data available

**Long Term Exposure**

**Potential immediate Health Effects** No data available

**Potential Delayed Health Effects** No data available

**Potential Chronic Effects** No data available

**Synergistic effects** No data available

**Section 12 – Ecological Information**

**Toxicity**

Product / Ingredient Name	Result	Species	Exposure
Ethoxylated Alcohol, C7 – C21	No data available		



Sodium metasilicate, pentahydrate Acute LC50 210mg/L Fish – Danio rerio 96 Hr  
Sodium gluconate No data available

**Persistence and degradability** No data available  
**Bioaccumulative potential** Low potential for bioaccumulation  
**Mobility in soil** No data available  
**PBT and vPvB assessment** No data available

## Section 13 – Disposal Considerations

### Product

Dispose of in accordance with national, regional, and local regulations.

### Contaminated packaging

Dispose of as unused product in a licensed facility. Recommend crushing, puncturing, or other means to prevent unauthorized use of used containers. Avoid dispersal of spilled materials and runoff and contain with soil, waterways, drains, and sewers.

## Section 14 - Transportation Information

CANADA Transportation of Dangerous Goods (TDG )

**Not Dangerous Goods**

## Section 15 – Regulatory Information

### DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act)

All components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999.

### TSCA Inventory (8b)

All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

## Section 16 – Other Information

### REVISION SUMMARY:

Date of Preparation April 1, 2017  
Date of Revision May 29, 2019

SDS Prepared by: CFR Lab Manager

CFR Chemicals Inc. provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information



Safety Data Sheet – GHS

CDG-102

Date of Revision: May 29, 2019

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