

Section 1 - Chemical Product and Company Identification

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

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 ₂ O, Aqua	80 – 90 %	7732-15-5
Ethoxylated Alcohol, C9 - C11	Not applicable	5 – 10%	68439-46-3
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

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

Section 6 – Accidental Release Measures

Personal precautions	Use personal protective equipment. Avoid breathing vapours, mist or gas.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains, waterways or the environment.
Methods and materials for containment and cleaning up	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

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

Section 8 – Exposure Controls / Personal Protection

Occupational Exposure Limits

Ingredient Name	Exposure Limits
Ethoxylated Alcohol, C9 – C11	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

Physical State	Liquid	Water Solubility	Soluble in water
Appearance & Odour	Clear, colourless to pale yellow. Mild odour.	Boiling Point	>100°C
Vapour Pressure	No data available	Boiling Point Range	Not applicable
Vapour Density	No data available	Melting Point	0°C
Specific Gravity	1.03 – 1.08	Freezing Point	0°C
Partition coefficient (n-octanol/water)	Not available	Lower Explosive Limit (LEL)	Not available
pH	11.5 – 12.5	Upper Explosive Limit (UEL)	Not available
Flashpoint (Method)	Not Flammable	Auto Ignition temperature	Not available
Odour Threshold	Not available	Evaporation Rate	Not available
Flammability (Solid, Gas)	Not available		
Decomposition Temperature	Not available	Viscosity	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, C9 – C11	LD50 Oral	Rat	1000 - 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, C9 – C11	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 April 1, 2025

SDS Prepared by: CFR Lab Manager

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Safety Data Sheet – GHS

CDG-102

Date of Revision: April 1, 2025

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