

SAFETY DATA SHEET (SDS) / GG 8530

June 5, 2018

Section 1 Product / Company Identification

Product Name	GG
Product Description	Cleaner
Product Number	8530
Manufacturer & Address	DYNA Metro Inc. 37 Creditstone Road Woodbridge, Ontario Canada L4K 1N3
Manufacturer's Phone Number	(905) 761 - 3309
Manufacturer's Facsimile	(905) 761 - 2114
Date Of Issue	June 5, 2018
Prepared By	Mark Gagro
Emergency Phone Number	DYNA 1-866-861-6424 (Toll Free) 1-905-761-3309 (Direct)

Section 2 Emergency And First Aid

Emergency Information

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Eyes

In case of contact, immediately flush eyes with plenty of water. If irritation persists, get medical attention.

Skin

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion

DO NOT induce vomiting. If victim is conscious and alert, give no more than 2 cupfuls of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control.

Section 3 Composition Information

Physical State	Liquid
Colour	Translucent Blue
Odour and Appearance	Clear with a mild odour
Odour Threshold	Not available
Water Solubility	Complete
Specific Gravity	Not available
Flash Point	>100 Degrees C (>212 Degrees F)
Freezing Point	Not available
Boiling Point	Not available
Vapour Density (Air =1)	Not available
Vapour Pressure (mm Hg)	Not available
pH	12
Coefficient of Water / Oil Distribution	Not applicable
Evaporation Rate	Not available
Viscosity	Not available
Lower Flammability Limit	Not available
Upper Flammability Limit	Not available
Auto-ignition Temperature	Not available

Section 4 Hazardous Ingredients

Ingredient	CAS #
Alcohols, C9-11, ethoxylated	68439-46-3
1-Butoxy-2-propanol	5131-66-8
Dipropylene glycol methyl ether	34590-94-8
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	164462-16-2
Dimethyl glutarate	1119-40-0

Section 5 Hazardous Identification

EMERGENCY OVERVIEW

CAUTION

MAT CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

Potential Health Effects

See Section 10 for more information.

Likely Routes of Exposure

Skin contact, eye contact, inhalation, and ingestion.

Eye Contact

May cause eye irritation.

Skin Contact

May cause skin irritation.

Inhalation

May cause respiratory tract irritation.

Ingestion

May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Signs and Symptoms

Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Medical Conditions Aggravated By Exposure

Because of its irritating properties, product may aggravate pre-existing eye, and skin conditions.

Target Organs

Skin, eyes, gastrointestinal tract, respiratory system.

Potential Environmental Effects

May cause long-term adverse effects in the aquatic environment. See Section 13 for more information.

Section 6 Accidental Release Measures

Personal Precautions	Use personal protection recommended in Section 11. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Environmental Precautions	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
Methods for Containment	Contain and / or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for Clean-Up	Thoroughly wash the affected area with water after a spill or leak.
Other Information	Not available

Section 7 Fire Fighting Measures

Flammability	Not flammable by WHMIS criteria
Means of Extinction	Powder, water fog, foam, carbon dioxide.
Products of Combustion	May include, and are not limited to: oxides of carbon, unidentified organic compound
Explosion Data	Sensitivity to Mechanical Impact Not available Sensitivity to Static Discharge Not available
Protection of Firefighters	Keep upwind of fire, Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA)

Section 8 Stability And Reactivity Data

Stability	Stable under normal storage conditions
Conditions of Reactivity	Heat. Incompatible materials.
Hazardous Decomposition Products	May include, and are not limited to: oxides of carbon, unidentified organic compounds
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.

Section 9 Precautions For Handling And Storage

Handling	Avoid contact with skin and eyes. Do not swallow. Do not breathe gas / fumes / vapor / spray. Handle and open container with care. Launder contaminated clothing before reuse. When using do not eat or drink. Wash hands before eating, drinking, or smoking.
Storage	Keep out of the reach of children. Keep container tightly closed and dry in a well-ventilated place. Store in a cool place, away from incompatibles.

Section 10 Toxicological Information

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD50 (oral)	LC50
Alcohols, C9-11, ethoxylated	1378 mg/kg, rat	5 mg/L 4hr, rat
1-Butoxy-2-propanol 5	660 µL/kg, rat	Not available.
Dipropylene glycol methyl ether	5230 mg/kg, rat	Not available.
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	Not available.	Not available.
Dimethyl glutarate	8191 mg/kg, rat	5.6 mg/L 4hr, rat

Section 10 Toxicological Information continued

Eye:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin:	May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Inhalation:	Mist may cause respiratory tract irritation.

EFFECTS OF CHRONIC EXPOSURE

Target Organs:	Not available.
Chronic Effects:	Not hazardous by WHMIS criteria.
Carcinogenicity:	Not hazardous by WHMIS criteria.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen *
Alcohols, C9-11, ethoxylated	Not listed.
1-Butoxy-2-propanol	Not listed.
Dipropylene glycol methyl ether	Not listed.
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	Not listed.
Dimethyl glutarate	Not listed.
* See Section 15 for more information.	

Mutagenicity:	Not hazardous by WHMIS criteria.
Reproductive Effects:	Not hazardous by WHMIS criteria.
Developmental Effects:	
Teratogenicity:	Not hazardous by WHMIS criteria.
Embryotoxicity:	Not hazardous by WHMIS criteria.
Respiratory Sensitization:	Not hazardous by WHMIS criteria.
Skin Sensitization:	Not hazardous by WHMIS criteria.
Toxicologically Synergistic Materials:	Not available.

Section 11 Personal Protection / Exposure Control

Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Eye/ Face Protection:	Wear safety glasses with side shields or goggles to avoid contact with the eyes. Do NOT wear contact lenses when using this product.
Hand Protection:	Wear impervious abrasion and alkali-resistant gloves to prevent skin contact.
Skin and Body Protection:	Wear boots, long-sleeved shirt, long pants or other protective clothing to prevent skin contact.
Respiratory Protection:	In case of insufficient ventilation wear suitable respiratory equipment.
General Hygiene Considerations:	Handle according to established industry hygiene and safety practices.

Section 12 Personal Protection / Exposure Control

Exposure Guidelines

Ingerdients

Alcohols, C9-11, ethoxylated

1-Butoxy-2-propanol

Dipropylene glycol methyl ether

Alanin, N,N-bis(carboxymethyl)-, trisodium salt

Dimethyl glutarate

Exposure Limits

ACGIH-TLV

Not available

Not available

100 ppm

Not available

Not available

Engineering Controls:

Use ventilation adequate to keep exposures (airborne levels of dust, fume vapor, etc.) below recommended exposure limits.

Section 13 Ecological Information

Ecotoxicity:

May cause long-term adverse effects in the aquatic environment.

Persistence / Degradability:

Not available.

Bioaccumulation / Accumulation:

Not available.

Mobility in Environment:

Not available.

Section 14 Disposal Consideration

Disposal Instructions

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 15 Transportation Data

TDG Classification

Not regulated

Section 16 Regulatory Information

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Global Inventories

Ingredient

Alcohols, C9-11, ethoxylated

1-Butoxy-2-propanol

Dipropylene glycol methyl ether

Alanine, N,N-bis(carboxymethyl)-, trisodium salt

Dimethyl glutarate

Canada

DSL/NDSL

DSL

DSL

DSL

DSL

DSL

HMIS - Hazardous Materials Identification System

Health - 1

Flammability - 0

Physical Hazard - 0

PPE - B

NFPA - National Fire Protection Association:

Health - 1

Fire - 0

Reactivity - 0

Hazard Rating:

0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):

Class D2B - Skin/Eye Irritant

Section 17 Other Information

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.