

Thermogrill**1. IDENTIFICATION**

Product Identifier: Thermogrill
Canadian TDG: Non regulated
Synonyms: None
Chemical Family: None known
Recommended Use: Grill Cleaner
Restrictions on Use: None

Manufacturer / Supplier:

Genesis Chemicals
1451 Highway Ave SE
Redcliff, AB
T0J 2P0

Prepared by: The Environmental, Health and Safety Department of Genesis Chemicals Ltd

Preparation Date of SDS: March 27, 2019

Telephone number of preparer: 403-528-4220

24-Hour Emergency Telephone Number (CANUTEC): (613) 996-6666

2. HAZARDS IDENTIFICATION**GHS Classification**

Serious Eye Irritation – Category 2B



Signal Word: Danger

Hazard Statement(s):

Causes eye irritation

Precautionary Statement(s):

Wash skin thoroughly after handling.

Response:

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

Other Hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration %
Glycerine	56-81-5	30-60
Potassium Carbonate	584-08-7	10-30

Notes

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First-aid Measures

Inhalation: Get medical attention if symptoms occur.

Skin Contact: Rinse with plenty of water.

Eye Contact: Rinse with plenty of water.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

See Section 11 for detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None known

Specific Hazards Arising from the Chemical

Not flammable or combustible.

Special Protective Equipment and Precautions for Fire-fighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire, do not breathe fumes.

Protection during Firefighting: Do not enter fire area without proper protective equipment.

Hazardous Combustion Products: calcium oxide. Nitrogen oxides. Sulphur oxides. Oxides of phosphorus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Refer to protective measures in sections 7 & 8.

Environmental Precautions

Do not allow contact with soil, surface or ground water.

Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Stop leak if safe to do so. Contain spillage and collect with non-combustible absorbent material (e.g sand, earth, diatomaceous earth) and place in container for disposal according to local/national regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for Safe Handling

Precautions for Safe Handling: Wash hands thoroughly after handling.

Conditions for Safe Storage

Storage Conditions: Keep out of reach of children. Store in suitable labeled containers.

Storage Temperature: 0 C to 50 C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Ingredients	ACGIH® TLV®	OSHA PEL	IDLH
Glycerine	Not available	10 mg/m ³ TWA 5 mg/m ³ TWA	Not available

Consult local authorities for provincial or state exposure limits.

Appropriate Engineering Controls

Personal Protective Equipment: Gloves

Hand Protection: When handling hot material, wear heat resistant gloves.

Eye and Face Protection: No special protective equipment required.

Skin and Body Protection: No special protective equipment required.

Respiratory Protection: No personal respiratory equipment normally required.

Other Information: Handle in accordance with good industrial hygiene and safety practice.

9. CHEMICAL AND PHYSICAL PROPERTIES

Appearance	Yellow Liquid
Odour	None
Odour Threshold	Not available
pH	<11.5
Melting Point/Freezing Point	Not available
Initial Boiling Point/Range	Not available
Flash Point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable.
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (specific gravity)	1.2-1.3 at 20°C
Solubility	Not available
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Other Information	
Physical State:	Liquid

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions

No dangerous reactions known under conditions of normal use.

Conditions to Avoid

None known.

Incompatible Materials

Acids

Hazardous Decomposition Products

Decomposition products may include the following materials:

Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Oxides of phosphorus

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Ingredients	LD50s and LC50s Route & Species
Glycerine	Dermal LD50 Rabbit > 10 g/kg Inhalation LC50 Rat > 570 mg/m ³ 1 h

Potential Health Effects

Eyes: Causes eye irritation.
Skin: Health injuries are not known or expected under normal use.
Ingestion: Health injuries are not known or expected under normal use.
Inhalation: Health injuries are not known or expected under normal use.
Chronic Exposure: Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Experience with Human Exposure

Eye contact: Redness, irritation.
Skin contact: No symptoms known or expected.
Ingestion: No symptoms known or expected.
Inhalation: No symptoms known or expected.

Toxicity

Acute oral toxicity: Acute toxicity estimate (ATE): > 5,000 mg/kg
Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available

STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Aspiration Hazard

Not an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

In rare cases, repeated excessive exposure to propylene glycol may cause central nervous system effects.

Skin Corrosion/Irritation

Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Eye Irritation

May cause slight temporary eye irritation.

Corneal injury is unlikely.
Mist may cause eye irritation.

Respiratory or Skin Sensitization

This product is not expected to cause respiratory or skin sensitization.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive Toxicity

This product is not expected to cause reproductive or developmental effects.

Germ Cell Mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Interactive Effects

No information was located.

Additional Information

No information was located.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information:

Ingredients	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity - Freshwater Algae Data
Glycerine	96 h LC50 855 mg/l	Not available	Not available
Potassium Carbonate	96 h LC50 230 mg/l	Not available	Not available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Diluted product can be flushed to sanitary sewer. Dispose of in accordance with local, provincial and federal regulations.

14. TRANSPORT INFORMATION

DOT (U.S.):

DOT Shipping Name: Not Regulated.

DOT Hazardous Class: Not Applicable.

DOT UN Number: Not Applicable.

DOT Packing Group: Not Applicable.

DOT Reportable Quantity (lbs): Not Available.

Marine Pollutant: No.

TDG (Canada):

TDG Shipping Name: Not Regulated.

Hazard Class: Not Applicable.

UN Number: Not Applicable.

Packing Group: Not Applicable.

Marine Pollutant: No.

Special Precautions for User

Not applicable

15. REGULATORY INFORMATION

Canada

WHMIS Classification

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

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

16. OTHER INFORMATION

Additional Information: This product has been classified in accordance with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the SDS contains all the information required by the Hazardous Products Regulations (HPR).

Prepared by: The Environmental, Health and Safety Department of Genesis Chemicals Ltd

Date of Latest Revision: November 3, 2020

Key to Abbreviations: IARC = International Agency for Research on Cancer. Group 3 = Not classifiable as to its carcinogenicity to humans. ACGIH® = American Conference of Governmental Industrial Hygienists. A4 = Not classifiable as a human carcinogen. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration. ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. A4 = Not classifiable as a human carcinogen. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. IDLH = Immediately Dangerous to Life and Health.

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*****END OF SDS*****