

Safety Data Sheet

Citrus Floor Cleaner**1. IDENTIFICATION**

Product Identifier: Citrus Floor Cleaner

Canadian TDG: Non-regulated

Synonyms: None

Chemical Family: Not applicable

Recommended Use: Floor and hard surface 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: May 5, 2022

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2. HAZARDS IDENTIFICATION

Product at use Dilution

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label element – Product as Sold

Skin irritation – Category 2; Eye irritation – Category 1; Skin sensitization – Category 1



Signal Word: Danger

Hazard Statement(s):

Causes skin irritation

Causes serious eye damage

May cause an allergic skin reaction

Precautionary Statement(s):

General:

Keep out of reach of children.

Read label before use.

Prevention:

Avoid breathing dust, fumes, gas, mist, vapours or spray.
Contaminated work clothing should not be allowed out of the workplace.
Wash skin thoroughly after handling.
Wear protective gloves.
Wear eye protection/ face protection.

Response:

IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.

Disposal:

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

Other Hazards:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration %
Isopropyl Alcohol	67-63-0	1-10
Cocoamide diethanolamine	68603-42-9	1-10
Glycerine	56-81-5	<5
Diethanolamine	111-42-2	<5

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

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If effects occur consult a physician.

Skin Contact

Flush with copious amounts of water as a precaution. If skin irritation or a rash occurs, get medical advice/attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

Ingestion

Wash out mouth with water. Remove dentures if any. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

Most Important Symptoms and Effects, Acute and Delayed

Non-known.

Immediate Medical Attention and Special Treatment

Special Instructions

Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Unsuitable Extinguishing Media

Non-known.

Specific Hazards Arising from the Chemical

Exposure to combustion products may be a hazard to health.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Approach fire from upwind to avoid hazardous vapours or gases.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours, flammable or explosive atmosphere.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn. If there is potential for skin contact with concentrated cleaner: chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Follow safe handling advice and personal protective equipment recommendations.

Environmental Precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and Materials for Containment and Cleaning Up

Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

Other Information

Report spills to local health, safety and environmental authorities, as required.

7. HANDLING AND STORAGE

Precautions for Safe Handling

When handling diluted product: no special handling precautions are necessary. Use only with adequate ventilation.

Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.

Conditions for Safe Storage

Keep in properly labeled containers. Store in accordance with the particular national regulations. Store separate from incompatible materials (see Section 10: Stability and Reactivity).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Ingredients	Exposure Limit – ACGIH	Exposure Limit – OSHA	Immediately Dangerous to Life or Health - IDLH
Isopropyl Alcohol	400 ppm STEL 200 ppm TWA	400 ppm TWA 980 mg/m ³ TWA 500 ppm STEL 1225 mg/m ³ STEL	2000 ppm
Cocoamide diethanolamine	Not available.	Not available.	Not available.
Glycerine	Not available.	10 mg/m ³ TWA 5 mg/m ³ TWA	Not available.
Diethanolamine	1 mg/m ³ TLV-TWA	3 ppm TWA 15 mg/m ³ TWA	Not available.

Consult local authorities for provincial or state exposure limits.

Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

When handling large quantities of concentrated product: use a local exhaust ventilation and enclosure, if necessary, to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Do not get in eyes. Wear chemical safety goggles.

Skin Protection

Skin should be washed after contact.

Other Personal Protection Data: Ensure that eyewash stations and safety showers are proximal to the work-station location. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

9. CHEMICAL AND PHYSICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Amber/Orange liquid
Odour	Citrus/Orange
Odour Threshold	Not available
pH, 10% (v/v)	8.0-9.5
Melting Point/Freezing Point	0°C / 32°F
Initial Boiling Point/Range	>100.0°C / 212.0°F
Flash Point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	Not available
Vapour Pressure	33 hPa @ 20°C
Vapour Density (air = 1)	2.1
Relative Density (water = 1)	0.98 – 1.05 kg/L at 20 °C
Solubility	Soluble in water
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available

Viscosity Not available
Other Information
Physical State: Liquid

10. STABILITY AND REACTIVITY

Reactivity

Not reactive. Not sensitive to mechanical impact.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

None known.

Incompatible Materials

Oxidizing agents (e.g. peroxides)

Hazardous Decomposition Products

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Potential Health Effects

Eyes:

Cause of 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:

Health injuries are not known or expected under normal use.

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

Ingredients	LD50s and LC50s Route & Species
Isopropanol	Not available.
Cocamide diethanolamine	Not available.
Glycerine	Dermal LD50 Rabbit > 10 g/kg Inhalation LC50 Rat > 570 mg/m ³ 1 h
Diethanolamine	Oral LD50 (Rat) 620 µL/kg Oral LD50 (Rat, male) 1.58 ml/kg Oral LD50 (Rat, female) 0.62 ml/kg Dermal (Rabbit, male), 24hr, 7.46 ml/kg Dermal (Rabbit, female), 24hr, 9.85 ml/kg Dermal LD50 (Rabbit) 7640 µL/kg

STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation

Not classified.

Aspiration Hazard

Not an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Not classified.

Skin Corrosion/Irritation

Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Eye Irritation

Mild eye irritation

Respiratory or Skin Sensitization

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

Carcinogenicity

Ingredients	IARC - Carcinogens	ACGIH – Carcinogens
Isopropyl Alcohol	Group 3	A4
Cocoamide diethanolamine	Group 2B	Not listed.
Glycerine	Not listed.	Not listed.
Diethanolamine	Group 2B	A3

Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity: There is no human information available for Isopropanol. However, Isopropanol is considered teratogenic/embryotoxic based on animal information. One inhalation rat study has shown that 2-propanol is fetotoxic (caused reduced fetal weight gain) in the absence of maternal toxicity. Other studies have shown no effects or effects in the presence of maternal toxicity. Positive and negative mutagenic results have been obtained in mammalian cells in vitro and negative results in bacteria.

Additional Information

No information was located.

12. ECOLOGICAL INFORMATION

Ingredients	Ecotoxicity – Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity – Freshwater Algae Data
Isopropyl Alcohol	11130 mg/L LC50 (Pimephales promelas) 96 h static 9640 mg/L LC50 (Pimephales promelas) 96 h flow-through 1400000 µg/L LC50 (Lepomis macrochirus) 96 h	Not Available	1000 mg/L EC50 Desmodesmus subspicatus 72 h 1000 mg/L EC50 Desmodesmus subspicatus 96 h
Cocamide diethanolamine	3.6 mg/L LC50 (Brachydanio rerio) 96 h semi-static	Not Available.	Not Available.
Glycerine	Oncorhynchus mykiss (Rainbow trout) LC50 96	>500 mg/L Daphnia magna EC50 24 hr	Not Available.
Diethanolamine	1200 - 1580 mg/L LC50 (Pimephales promelas) 96 h static 4460 - 4980 mg/L LC50 (Pimephales promelas) 96 h flow-through 600 - 1000 mg/L LC50 (Lepomis macrochirus) 96 h static	LC50 (Daphnia) 48hr, 187 mg/L	2.1 - 2.3 mg/L EC50 Pseudokirchneriella subcapitata 96 h 7.8 mg/L EC50 Desmodesmus subspicatus 72 h

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Recommended disposal methods are for the product, as sold. (Used material may contain other hazardous contaminants). The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

Disposal methods: Diluted product can be flushed to sanitary sewer.

Disposal considerations: Dispose of in accordance with local, state, 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

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION

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

Canadian DSL Inventory Status: All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

California Proposition 65: Not Listed.

MA Right to Know List: Listed.

New Jersey Right-to-Know List: Listed.

Pennsylvania Right to Know List: Listed.

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: May 5, 2022

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