

Pro Laundry Emulsifying Detergent

1. IDENTIFICATION

Product Identifier: Pro Laundry Emulsifying Detergent

Canadian TDG: Non regulated

Synonyms: None

Chemical Family: Not applicable

Recommended Use: Laundry detergent

Restrictions on Use: None

Manufacturer / Supplier:

Genesis Chemicals

602 – 13th St SE

Medicine Hat, AB

T1A 1X3

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

Preparation Date of SDS: February 15, 2017

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2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity, oral – Category 4; Skin corrosion – Category 2; Eye irritation – Category 2A



Signal Word: Warning

Hazard Statement(s):

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

Precautionary Statement(s):

General:

Keep out of reach of children.

Read label before use.

Prevention:

Wash hands thoroughly after handling.
Do not eat drink or smoke when using this product.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Wash face, hands and any exposed skin thoroughly after handling.

Response:

IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage:

No specific measures identified.

Disposal:

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration %
Alcohols, C12-15, ethoxylated	68439-46-3	10-30
2-Butoxyethanol	111-76-2	5-10
Citrus Terpenes	94266-47-4	5-10
Proprietary Component, Trade Secret	xxxxx-xx-x	1-5
Tetrasodium Salt of EDTA	64-02-8	1-5

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	ACGIH® TLV®	OSHA PEL	IDLH
Alcohols, C12-15, ethoxylated	Not available	Not available	Not available
2-Butoxyethanol	20 ppm (98 mg/m ³) TLV-TWA	50 ppm (240 mg/m ³) PEL-TWA	700 ppm
Citrus Terpenes	Not available	Not available	Not available
Proprietary Component, Trade Secret	Not available	Not available	Not available
Tetrasodium Salt of EDTA	Not available	Not available	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 workstation 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	Yellow liquid
Odour	Mild to odorless
Odour Threshold	Not available
pH	8.0 – 11.0

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 (liquid).
Upper/Lower Flammability or Explosive Limit	Not available (lower) Not available (upper)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.0 – 1.1 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.

Ingredients	LD50s and LC50s Route & Species
Alcohols, C12-15, ethoxylated	Dermal LD50 Rabbit: 2000 - 20000 mg/kg Oral LD50 Rat: 500 - 5000 mg/kg
2-Butoxyethanol	Oral LD50 (Mouse) 1167 mg/kg Oral LD50 (Mouse) 1230 mg/kg Oral LD50 (Rat) 400 mg/kg Oral LD50 (Rat) 470 mg/kg

	Oral LD50 (Rat) 530 mg/kg Oral LD50 (Rat) 917 mg/kg Oral LD50 (Rabbit) 320 mg/kg Oral LD50 (Guinea Pig) 1200 mg/kg Dermal LD50 (Rabbit) 220 mg/kg Dermal LD50 (Rabbit) 99 mg/kg Inhalation LC50 (Rat) 450 ppm/4H Inhalation LC50 (Mouse) 700 ppm/7H Inhalation LC50 (Mouse) 3380 mg/m ³ /7H Inhalation LC50 (Rat) 2900 mg/m ³ /7H
Citrus Terpenes	Oral LD50 (Rat) 4400 mg/kg Dermal LD50 (Rabbit) 2000 mg/kg
Proprietary Component, Trade Secret	Not available
Tetrasodium Salt of EDTA	Not available
Alcohols, C12-15, ethoxylated	Not available

Potential Health Effects

Eyes :	Cause of irritation.
Skin :	May cause slight skin irritation. Prolonged or repeated contact may cause defatting and drying of the skin.
Ingestion :	May cause headache, dizziness, nausea, vomiting, gastrointestinal irritation.
Inhalation :	Irritating to the nose, throat and respiratory tract. May cause coughing. May cause headache.
Chronic Exposure :	Health injuries are not known or expected under normal use.

Toxicity

Acute oral toxicity :	No data available
Acute inhalation toxicity :	No data available
Acute dermal toxicity :	No data available

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

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
Alcohols, C12-15, ethoxylated	Not Available	Not Available	Not Available
2-Butoxyethanol	LC50 (Lepomis macrochirus) 1490 mg/L	Not Available	Not Available
Citrus Terpenes	LC50 (Pimephales promelas) 702 mg/L	Not Available	Not Available
Proprietary Component, Trade Secret	Not Available	Not Available	Not Available
Tetrasodium Salt of EDTA	Not Available	Not Available	Not Available

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.

WHMIS Hazardous Class:

D2B MATERIAL CAUSING OTHER TOXIC EFFECTS

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

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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*****