

SECTION 1: Identification of the Substance / Mixture and of the Company / Undertaking

1.1. Product Identifier

Trade name : GSL-EcoSolv X (Industrial Degreaser)
EC-No. : 271-657-0
CAS-No. : 68603-42-9
Type of product : Liquid

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

1.2.1. Relevant Identified Uses

Industrial/Professional use spec : Industrial Degreaser / For professional use only
Use of the substance/mixture : Detergent

1.3. Details of the Distributor of the Safety Data Sheet

Company Name : GreenSol Limited
Address : #39-41 Marryat Street, San Fernando, Trinidad, West Indies
Telephone : +1(868) 225-4858
Mobile : +1(868) 720-2517
Email : sdeokiesingh@greensolltd.com

1.4. Emergency Telephone Number

Emergency Number : +1(868) 720-2517 (GREENSOL)
: +1(800) 424-9300 (CHEMTREC)

SECTION 2: Hazard Identification

2.1. Classification of the Substance or Mixture – REGULATIONS (EC) No. 1272/2008

Serious Eye Damage / Eye Irritation: : H318
Category 1

2.2. Label Elements

Hazard Pictogram :



GHS05

Signal Word : **DANGER**
Hazard Statement : H318 - Causes serious eye damage
Precautionary Statement : P280 - Wear protective gloves/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P338 - Remove contact lenses, if present and easy to do. Continue rinsing
 P310 - Immediately call a POISON CENTER or doctor/physician

2.3. Other Hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
 This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition / Information on Ingredients

3.1. Substances

Component Name	EINECS	CAS #	Percentage % (w/w)	EU-CLP Substance Classification	REACH No.
Surfactants			20 - 30 %	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Corr. 1 (H318) Aquatic Chronic 3 (H412)	No data available
Amides, coco, N, N-bis (hydroxyethyl)	271-657-0	68603-42-9	1 - 5 %	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Aquatic Chronic 3 (H412)	No data available

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures

- Eye Contact : In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Seek immediate medical attention/advice. Suitable emergency eye wash facility should be immediately available.
- Skin Contact : In case of contact, immediately flush skin with plenty of soap and water for at least 30 minutes and remove contaminated clothing, shoes and leather goods immediately. Get medical attention immediately.
- Inhalation : If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
- Ingestion : Do NOT induce vomiting. Give nothing by mouth. Obtain immediate medical attention.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/effects after eye contact : Causes severe eye irritation which may damage tissue.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media : Water fog, carbon dioxide, foam, dry chemical.
Extinguishing media which must not be used for safety reasons : None known.

5.2. Special hazards arising from the substance or mixture

Special Exposure Hazards : Decomposition in fire may produce harmful gases.

5.3. Advice for Firefighters

Special Protective Equipment for Fire-Fighters : Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Use appropriate protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Ensure adequate ventilation. Evacuate all persons from the area. See Section 8 for additional information.

6.2. Environmental Precautions

Prevent from entering sewers, waterways, or low areas. Consult local authorities.

6.3. Methods and Material for Containment and Cleaning up

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

6.4. Reference to Other Sections

See Section 8 and 13 for additional information.

SECTION 7: Handling & Storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse. Ensure adequate ventilation. Use appropriate protective equipment.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Store away from oxidizers. Store in a cool well-ventilated area. Keep container closed when not in use.

7.3. Specific End Use(s)

- Exposure Scenario : No information available
- Other Guidelines : No information available

SECTION 8: Exposure Controls / Personal Protection

8.1. Control Parameters

- Exposure Limits : No information available
- Derived No Effects Level (DNEL) : No information available
- Predicted No Effect Concentration (PNEC) : No information available

8.2. Exposure Controls

- Engineering Controls : Use in a well-ventilated area.
- Personal Protective Equipment : If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.
- Hand Protection : Chemical-resistant protective gloves (EN 374). Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Nitrile gloves. (>= 0.35 mm thickness) This information is based on literature references and on information provided by glove manufacturers or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g., temperature). If signs of wear and tear are noticed then the gloves should be replaced. Manufacturer's directions for use should be observed because of great diversity of types.

Eye Protection	: Chemical goggles; also wear a face shield if splashing hazard exists.
Skin Protection	: Normal work coveralls.
Respiratory Protection	: If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH-certified, European Standard EN 149, AS/NZS 1715:2009, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional. Dust/mist respirator. (N95, P2/P3)
Environmental Exposure Controls	: Do not allow material to contaminate ground water system.
Other Precautions	: Eyewash fountains and safety showers must be easily accessible.

SECTION 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Colour	: Light yellow to brown
Odour	: Characteristic
Odour Threshold	: No information available
pH	: 10
Freezing Point / Range	: -2 °C
Melting Point / Range	: No data available
Boiling Point / Range	: 100 °C / 212 °F
Flash Point	: > 90 °C / > 194 °F PMCC
Flammability (solid, gas)	: No data available
Upper Flammability Limit	: No data available
Lower Flammability Limit	: No data available
Evaporation Rate	: No data available
Vapour Pressure	: No data available
Vapour Density	: No data available
Specific Gravity	: 1.03
Water Solubility	: Soluble in water
Solubility in Other Solvents	: No data available
Partition Coefficient	: n-octanol / water
Autoignition Temperature	: No data available
Decomposition Temperature	: No data available
Viscosity	: No data available
Explosive Properties	: No information available
Oxidising Properties	: No information available
VOC Content (%)	: No data available

SECTION 10: Stability and Reactivity



10.1. Reactivity

Reactivity : Not expected to be reactive
 Chemical Stability : Stable
 Possibility of Hazardous Reactions : Will Not Occur
 Conditions to Avoid : None Anticipated
 Incompatible Materials : Strong Oxidizers
 Hazardous Decomposition Products : Oxides of nitrogen. Oxides of sodium.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity (Inhalation) : May cause mild respiratory irritation
 Eye Contact : Causes severe eye irritation which may damage tissue.
 Skin Contact : Causes moderate skin irritation.
 Ingestion : Irritation of the mouth, throat, and stomach.
 Chronic Effects / Carcinogenicity : No data available to indicate product or components present at greater than 0.1% are chronic health hazards.

11.2. Toxicology Data for the Components

Substances	CAS #	LD50 Oral	LD50 Dermal	LC50 Inhalation
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	No data available	No data available	No data available

Substances	CAS #	Skin Corrosion / Irritation
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	Irritating to skin. (Rabbit)

Substances	CAS #	Eye Damage / Irritation
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	Irritating to eyes. (Rabbit)

Substances	CAS #	Skin Sensitization
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	Did not cause sensitization animals (guinea pig)

Substances	CAS #	Respiratory Sensitization
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	No information available

Substances	CAS #	Mutagenic Effects
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	In vitro tests did not show effects Some in vivo tests mutagenic effects.



Substances	CAS #	Carcinogenic Effects
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	No data of sufficient quality

Substances	CAS #	Reproductive Toxicity
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	Did not show teratogenic

Substances	CAS #	STOT - Single Exposure
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	No significant toxicity observed in animal studies at concentration requiring classification.

Substances	CAS #	STOT - Repeated Exposure
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	No data of sufficient quality

Substances	CAS #	Aspiration Hazard
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	Not applicable

SECTION 12: Ecological Information

12.1. Toxicity - Ecotoxicity Effects

Substances	CAS #	Toxicity to Algae	Toxicity to Fish	Toxicity to Micro-Organisms	Toxicity to Invertebrates
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	LC50 (96h) 3.6 mg/L (Brachydanio rerio)	EC50 (72h) 2.2 mg/L (Scenedesmus subspicatus)	No information available	EC50 (48h) 2.25 mg/L (Cero daphnia dubia) NOEC (21d) 1.0 mg/L (Daphnia magna)

12.2. Persistence and Degradability

Substances	CAS #	Persistence and Degradability
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	Readily biodegradable (84% @ 28d)

12.3. Bio Accumulative Potential

Substances	CAS #	Log Pow
Amides, coco, N, N-bis (hydroxyethyl)	68603-42-9	No information available

12.4. Mobility in Soil

Substances	CAS #	Mobility
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Amides, coco, N, N-bis (hydroxyethyl) 68603-42-9 No information available

12.5. Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
 This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Substances	PBT and vPvB assessment
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Amides, coco, N, N-bis (hydroxyethyl)	Not PBT/vPvB
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12.6. Other adverse effects

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Disposal Method : Disposal should be made in accordance with federal, state, and local regulations

Contaminated Packaging : Follow all applicable national or local regulations.

SECTION 14: Transportation Information

IMDG/IMO

UN Number : Not Restricted

UN Proper Shipping Name : Not Restricted

Transport Hazard Class (es) : Not Applicable

Packing Group : Not Applicable

Environmental Hazards : Not Applicable

RID

UN Number : Not Restricted

UN Proper Shipping Name : Not Restricted

Transport Hazard Class (es) : Not Applicable

Packing Group : Not Applicable

Environmental Hazards : Not Applicable

ADR

UN Number : Not Restricted

UN Proper Shipping Name : Not Restricted

Transport Hazard Class (es) : Not Applicable

Packing Group : Not Applicable

Environmental Hazards : Not Applicable

IATA/ICAO

UN Number : Not Restricted

UN Proper Shipping Name : Not Restricted



Transport Hazard Class (es) : Not Applicable
Packing Group : Not Applicable
Environmental Hazards : Not Applicable

14.1. UN Number

Not Restricted

14.2. UN Proper Shipping Name

Not Restricted

14.3. Transport Hazard Class (es)

Not Applicable

14.4. Packing Group

Not Applicable

14.5. Environment Hazards

Not Applicable

14.6. Special Precautions for User

None

14.7. Transport in Bulk According to Annex II of Marpol 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

China Regulations : This product is listed on the Chinese IECSC.
International Inventories
EINECS Inventory : This product, and all its components, complies with EINECS
US TSCA Inventory : Product contains one or more components not listed on the
inventory.
Canadian DSL Inventory : Product contains one or more components not listed on the
inventory.

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other Information

INFORMATION SOURCES : Material Safety Data Sheet, Misc. manufacturers.
Product information provided by the commercial vendor(s).

Notice to Re

This SDS provides the information contained in this document in good faith but makes no representation as to its accuracy. This document is intended solely to guide the safe handling of the material by a properly trained individual. The final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with caution. Although some hazards are described, it cannot be guaranteed that these are the only hazards that exist.



Version

1

Date of Change

09-04-2024

Change Description

Initial issue of SDS

Responsible Person

Laboratory Coordinator

