



Safety Data Sheet

Issue Date: 11-1-2015

1. IDENTIFICATION

Product Identifier:

Product Name: Redeem All Purpose Interior Cleaner

Other Means of Identification:

SDS # TLC-46

Recommended use of the chemical and restrictions on use:

Recommended Use: Interior All Purpose Cleaning Agent

Details of the supplier of the Safety Data Sheet:

Supplier Address:

Top Line Chemical Solutions

4735 Dwight Evans Road

Charlotte, NC 28208

Emergency Telephone Number:

Company Phone Number: Phone: 980-309-0569

Emergency Telephone Number: INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. Hazards Identification

Classification:

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Irritation	Category 2
Skin Sensitization	Category 1
Carcinogenicity	Category 1B

Signal Word: Danger **Hazard**

Statements:

Causes Skin Irritation
Causes Serious Eye Irritation

May Cause Allergic Skin Reaction
May Cause Cancer



Precautionary Statements – Prevention:

Obtain Special Instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing fumes/mist/fumes/spray
Contaminated work clothing should be removed immediately and washed prior to reuse Wear protective gloves

Precautionary Statements – Response:

If exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do and continue rinsing for 15 plus minutes. If eye irritation persists see physician
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention.

Precautionary Statements – Storage:

Store according to local, state and federal laws.

Precautionary Statements – Disposal:

Dispose of as recommended by local, state and federal authorities.

Hazards Not Otherwise Classified (HNOC):

May be harmful if swallowed. GET IMMEDIATE MEDICAL ATTENTION.

Other Hazards:

Toxic to aquatic life with long lasting effects
Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Ethylene Glycol Monobutyl Ether	111-76-2	1-9.9
Sodium Xylene Sulfonate	1300-72-7	1-5
Ethyamine	75-04-7	1-5
D-Limonene	5989-27-5	1-5

4. FIRST-AID MEASURES

First Aid Measures:

General Advice:

If exposed or concerned: Get medical advice/ attention

Eye Contact:

Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and continue rinsing. If eye irritation persists, get medical attention.

Skin Contact:

Wash with soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse. If skin irritation continues or rash occurs, get medical attention.

Inhalation:

Remove to fresh air.

Ingestion:

Clean mouth with water and drink plenty of water Get immediate medical attention!

Most important symptoms and effects:

Symptoms: May cause skin and eye irritation. May cause gastrointestinal disturbance.

Indication of any immediate medical attention and special treatment needed: Notes

to physician: Treat Symptomatically.

5. Fire Fighting Measures

Suitable Extinguishing Media:

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

Unsuitable Extinguishing Media: Not determined.

Specific Hazards Arising from the Chemical:

Non-Flammable

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure –demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions: Use personal protective equipment as required

Methods and material for containment and cleaning up:

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Keep in suitable, closed containers for proper disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Advice on safe handling:

Wash hands thoroughly after handling. Use personal protective equipment as recommended in Section 8. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapors or mists. Contaminated work clothing should be removed immediately and washed before reuse.

Conditions for safe storage, including any incompatibilities:

Storage Conditions:

Keep containers tightly closed and store in a well ventilated, place.

Incompatible Materials:

Strong Acids

8. EXPOSURE CONTROL/PERSONAL PROTECTON

Exposure Guidelines:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20ppm	TWA: 50ppm TWA: 240mg/m3 (vacated) TWA: 25PPM (vacated) TWA: 120mg/m3 (vacated) S*S*	IDLH: 700ppm TWA: 5ppm TWA: 24ppm
Ethylamine 75-04-7	STEL: 15ppm TWA: 5ppm S*	TWA: 10ppm TWA: 18mg/m3 (vacated) TWA: 10ppm (vacated)TWA: 18mg/m3	IDLH: 600ppm TWA: 10pm TWA: 18mg/m3

Appropriate Engineering Controls:

Engineering Controls:

Apply technical measures to comply with the occupational exposure limits

Individual Protection Measures, Such as Personal Protective Equipment:

Eye/Face Protection:

Splash Goggles or safety glasses

Skin and Body Protection:

Wear suitable protective clothing

Respiratory Protection:

Ensure adequate ventilation, especially in confined areas **General Hygiene**

Considerations: Handle in accordance with good industrial hygiene and safety.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical State: Liquid

Odor: Sweet Citrus Fragrance

Color: Clear/Slightly Cloudy

Odor Threshold: Not Determined

Property Values Remarks-Method pH 13

Melting Point/Freezing Point Not Determined

Boiling Point/Boiling Range Not Determined

Flash Point Not Determined

Evaporation Rate Not Determined

Flammability (Solid/Gas)	N/A Liquid
Upper Flammability Limit	Not Determined
Lower Flammability Limit	Not Determined
Vapor Pressure	Not Determined
Vapor Density	Not Determined
Specific Gravity	>1
Water Solubility	Completely Soluble
Solubility in other solvents	Not Determined
Partition Coefficient	Not Determined
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Kinematic Viscosity	Not Determined
Dynamic Viscosity	Not Determined
Explosive Properties	Not Determined
Oxidizing Properties	Not Determined

10. STABILITY AND REACTIVITY

Reactivity:

Not reactive under normal conditions

Chemical Stability:

Stable under recommended storage conditioners

Possibility of Hazardous Reactions:

None under normal processing

Conditions to Avoid:

Keep out of reach of children

Incompatible Materials

Strong Acids

Hazardous Decomposition Products

Sulfur Dioxide, Hydrogen Sulfide, Carbon Dioxide, Carbon Monoxide

11. Toxicological Information

Information on Likely routes of exposure:

Product Information:

Eye Contact:	Causes eye irritation.
Skin Contact:	Causes skin irritation.
Inhalation:	Avoid breathing vapor or mists
Ingestion:	Harmful if swallowed

Component Information:

Chemical	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene Glycol Monobutyl Ether 111-75-2	= 470 mg/kg (Rat)	=2270mg/kg (Rat) =220 mg/kg (Rabbit)	=2.21mg/L (Rat) 4h =450ppm (Rat) 4h
Sodium Xylene Sulfonate 1300-75-7	=7200 mg/kg (Rat)	—	—
D-Limonene 5989-27-5	=4400 mg/kg (Rat)	➤ 2000 mg/kg (Rabbit)	—
Ethylamine 75-04-7	=530 mg/kg (Rat)	—	=12.6 mg/L (Rat)4h
Tetrasodium EDTA 64-02-8	=10g/kg (Rat)	—	—

Information on physical, chemical and toxicological effects:

Symptoms: Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Sensitization: May cause an allergic skin reaction.

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Monobutyl Ether 111-75-2	A3	Group 3	—	—
D-Limonene 5989-27-5	—	Group 3	—	X

Legend

ACGIH = American Conference of Governmental Industrial Hygienists

A3 – Animal Carcinogen

IARC = International Agency for Research on Cancer

Group 3 – IARC components are “not classifiable as human carcinogens”

OSHA = Occupational Safety and Health Administration of the US Department of Labor

X – Present

Numerical measures of toxicity:

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

Chemical	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Ethylene Glycol Monobutyl Ether 111-76-2		1490: 96h Lepomis macrochis		

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Persistence/Degradability:

Not Determined

Bioaccumulation:

Not Determined

Mobility:

CHEMICAL NAME	PARTITION COEFFICIENT
Ethylene Glycol Monobutyl Ether 111-76-2	0.81
Ethylamine 75-04-7	-0.27

Other Adverse Effects:

Not Determined

13. DISPOSAL CONSIDERATIONS
Waste Treatment Methods:
Disposal of Waste:

Disposal should be in accordance with applicable regional, local and national laws and regulations

Contaminated Packaging:

Disposal should be in accordance with applicable regional, local and national laws and regulations

California Hazardous Waste Status:

CHEMICAL NAME	CALIFORNIA HAZARDOUS WASTE STATUS
Ethylamine 75-04-7	Toxic, Ignitable
D-Limonene 5989-27-5	Toxic

14. TRANSPORT INFORMATION

Note: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT: Not Regulated

IATA: Not Regulated

IMDG: This material may meet the definition of a marine pollutant.

15. REGULATORY INFORMATION
International Inventories:

Not Determined

Legend:

TSCA: United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL: Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS: European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS: Japan Existing and New Chemical Substances

IECSC: China Inventory of Existing Chemical Substances
 KECL: Korean Existing and Evaluated Chemical Substances
 PICCS: Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations:

CERCLA

CHEMICAL NAME	HAZARDOUS SUBSTANCES RQ	CERCLA/SARA RQ	REPORTABLE QUANTITY
Ethylamine 75-04-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 313: N/A

CHEMICAL NAME	Weight %	SARA 313 – Threshold Value %
Ethylene Glycol Monobutyl Ether 111-76-2	1000 lb	1.0%

CWA (Clean Water Act)

COMPONENT	CWA- Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Ethylamine 75-04-7 (1-5)	100lb	—	—	X

US State Regulations:

US State Right-to-Know Regulations:

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Ethylene Glycol Monobutyl Ether 111-76-2	X	X	X
Ethylamine 75-04-7	X	X	X

16. OTHER INFORMATION

REGULATORY AGENCY	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS/INSTABILITY	SPECIAL HAZARDS/PERSONAL PROTECTION
NFPA	Not Determined	Not Determined	Not Determined	Not Determined
HMIS	2	0	0	B

Proper Shipping Name: Not Regulated

Issue Date: 3-5-2015

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Revision Note: Version 1

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet