Safety Data Sheet

Revision 1 Date: 8-5-2021

1. IDENTIFICATION

Product Identifier:

Product Name: **Revenge**

Recommended use of the chemical and restrictions on use: Car Wash Application/ Bug Remover and Cleaning Agent / No Restrictions

Safety Data Sheet Supplier Details:

Manufacturer Address:

Top Line Chemical Solutions, LLC
1923 John Crosland Jr. Drive
Charlotte, NC 28208

Company Phone Number: 1-980-309-0569

Emergency Telephone Number (24 hour) INFOTRAC: 1-352-323-3500 (International)
INFOTRAC: 1-800- 535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance: Yellow Liquid
Physical State: Liquid
Odor: Orange-Citrus

GHS Classification:

Acute Toxicity:	May be harmful if swallowed
Eye	May Cause eye damage/irritation
Skin	May cause allergic reaction to skin
Carcinogenicity	

Hazard Statements:

- May be harmful if swallowed
- Causes eye irritation and possible damage
- May cause skin allergy after prolonged and repeated usage

GHS Label Element:

Hazard Pictograms

Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing mists/spray
Avoid release into environment
Wear protective gloves/protective clothing/eye protection/face protection
Contaminated clothing should be removed immediately and washed prior to reuse

Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and continue rinsing for a minimum of 15 minutes. If irritation persists, get medical attention.
IF ON SKIN: Remove any contaminated clothing touching skin and wash before reuse. Wash skin with plenty of soap and water. If skin irritation persists, get medical attention.

3. COMPOSITION

Chemical Name	CAS No	Weight-%
Ethylene Glycol Monobutyl Ether	111-76-2	5-10
Sodium Xylene Sulfonate	1300-72-7	1-5
Ethylamine	75-04-7	1-5
D-Limonene	5989-27-5	1-5

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:

- **General Advice** Provide SDS to medical personnel for treatment
- **Eye Contact:** IF IN EYES: Small amounts can cause tissue damage. Immediately rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and continue rinsing. If eye irritation persists: Get medical attention.
- **Skin Contact:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.
- **Inhalation:** Remove to fresh air. Keep at rest in a position comfortable for breathing. If breathing is irregular or if respiratory arrest occurs get medical attention immediately.
- **Ingestion:** Clean mouth with water. Do not induce vomiting unless directed by medical professional. If ingestion of a large amount does occur, call a poison control center immediately. May cause Gastrointestinal disturbance.

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

- Note to physician: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water fog or spray, Foam, Dry Powder, Carbon Dioxide.

UNSUITABLE EXTINGUISHING MEDIA: NOT DETERMINED.

Specific Hazards Arising from the Chemical

Hazardous Combustion Products: Carbon Dioxide, Carbon Monoxide, Halogenated Compounds, Metal Oxide/Oxides

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.
- Environmental Precautions: See Section 12 for additional ecological information.

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: Absorb liquid with vermiculite or other absorbent materials. Dike to prevent material from reaching streams or other water sources. If runoff occurs notify proper authorities as required. Dispose of waste in accordance with local, state and federal laws.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practices. Wear protective gloves/protective clothing and eye/face protection. Wash face, hands, and any exposed skin thoroughly after handling. Eating, drinking and smoking should be prohibited.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from freezing. Keep out of the reach of children. Do not re-use container.

Incompatible materials: Strong Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m^3 (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m^3 (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m^3
Ethanolamine 75-04-7	STEL: 15 ppm TWA: 5 ppm S*	TWA: 10 ppm TWA: 18 mg/m^3 (vacated) TWA: 10 ppm (vacated) TWA: 18 mg/m^3	IDLH: 600 ppm TWA: 10 ppm TWA: 18 mg/m^3

Appropriate engineering controls

Engineering Controls: Apply technical measures to comply with the occupational exposure limits. Mechanical ventilation, eye-wash stations, showers where necessary.

Individual protection measures such as personal protective equipment

Eye/Face Protection: Safety Glasses, Goggles, Face Shield

Skin and Body Protection: Wear protective gloves and protective clothing

Respiratory Protection: Ensure adequate ventilation, especially in confined areas.

General Hygiene: Handle in accordance with good industrial hygiene and safety practices

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State: Liquid ***Odor:*** Orange-Citrus

Color: Yellow ***Odor Threshold:*** Not Determined

Property	Values	Remarks
pH	10.5-11.5	
Melting Point/Freezing Point	32 degrees Fahrenheit	
Boiling Point/Boiling Range	212 degrees Fahrenheit	
Flash Point	N/A	
Evaporation Rate	Not Determined	
Flammability (Solid, Liquid, Gas)	Not Flammable	
Upper Flammability Limit	Not Determined	
Lower Flammability Limit	Not Determined	

Vapor Pressure	Not Determined
Vapor Density	Not Determined
Specific Gravity	Not Determined
Water Solubility	Yes, Not Determined
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
VOC Content	Not Determined
Density	Not Determined

10. STABILITY AND REACTIVITY

Reactivity
Not Reactive under normal conditions

Chemical stability
Stable under recommended storage conditions

Possibility of hazardous reactions
None under normal processing
**Hazardous Polymerization does not occur

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

- Eye Contact: Avoid contact with eyes. Causes irritation/burns.
- Skin Contact: May cause mild irritation.
- Inhalation: Avoid breathing mists.
- Ingestion: May be harmful if swallowed.

Component Information: Delayed and immediate effects, chronic effects from short and long term exposure.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene Glycol Monobutyl Ether 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
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	=10 g/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 after prolonged and repeated exposure

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 111-76-2	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"

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Large or frequent spills can have a harmful or damaging effect on the environment.

Components for Ecological Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethylene Glycol Monobutyl Ether 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50

Persistence/Degradablility: Not Determined ***Bioaccumulation:*** Not Determined

Other Adverse Effects: *Not Determined*

Mobility in Soil: Not Determined

Chemical Name	Partition Coefficient
Ethylene Glycol Monobutyl Ether 111-76-2	0.81
Ethylamine 75-04-7	-0.27

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes: Disposal should be in accordance with local, state, and federal laws and regulations.

Contaminated Packaging: Disposal should be in accordance with local, state, and federal 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. TRANSPORTATION 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

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethylene Glycol Monobutyl	Present	X		Present		Present	X	Present	X	X
Acetic acid	Present	X		Present		Present	X	Present	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*
DSL/NDSL *- 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*
AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations: N/A

CERCLA: This material, as supplied, contains one or more substances regulated as a hazardous substance under the comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substance RQ	CERCLA/SARA RQ	Reportable Quantity
Ethylamine 75-04-7	100 lb		RQ 100 lb RQ RQ 45.4 kg final RQ

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirement of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	Weight %	Sara 313-Threshold Values %
Ethylene Glycol Monobutyl Ether 111-76-2	5-10	1%

CWA (Clean Water Act): This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA- Priority Pollutants	CWA- Hazardous Substances
Ethylamine 111-76-2	100lb	_____	_____	XXX

California Proposition 65

This product does not contain any Proposition 65 chemicals.

US State Right-To-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol Monobutyl Ether 111-76-2	XXX	XXX	XXX
Ethylamine 75-04-7	XXX	XXX	XXX

16. OTHER INFORMATION

NFPA

Health Hazard: 2
Flammability: 0
Instability: 0
Special Hazards: COR

HMIS

Health Hazard: 2
Flammability: 0
Physical Hazards: 0
Personal Protection: B

Safety Data Sheet Revision Data

Original Issue Date: 5 March 2015
Revision 1 Date: 5 August 2021

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 and 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