

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name TRAILBLAZER MAXX, 2 X 2.5 GL, US OG
Recommended Use herbicide
Information on Manufacturer
 CHEMSEARCH DIV. OF NCH CORP.
 BOX 152170
 IRVING, TX 75015

Product Code 0673
Chemical Nature Aqueous solution
Emergency Telephone Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
 CAUTION
 May cause skin irritation
 Causes eye irritation
 May be harmful if inhaled
 May be harmful if swallowed

Color Light yellow - Amber
Potential Health Effects
Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry None known.
Acute Effects
Eyes Causes eye irritation.
Skin May cause skin irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Blood disorder may occur after ingestion. Ingestion may cause lowering of blood pressure.
Chronic Toxicity No information available.
Target Organ Effects Liver, Kidney, Blood, Heart, Lungs.
Aggravated Medical Conditions Respiratory disorders, Skin disorders, Liver disorders, Kidney disorders, Blood disorders, Heart disease.
Potential Environmental Effects See Section 12 for additional Ecological information.

Odor No information available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Isopropylamine Salt of Glyphosate	38641-94-0

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

General Advice Avoid contact with skin, eyes, and clothing. Avoid breathing vapors or mists.
Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.
Skin Contact Wash off with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Remove and wash contaminated clothing before re-use.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point >201°F/>94°C
Autoignition Temperature No information available.
Flammability Limits in Air % Hydrogen, by reaction with metals.
Suitable Extinguishing Media Foam. Dry chemical. Water spray.
Specific hazards arising from the chemical Contact with metals liberates hydrogen gas. Material can create slippery conditions.
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.
NFPA Health 2 Flammability 1 Instability 1
HMIS Health 2 Flammability 1 Instability 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up Pick up and transfer to properly labeled containers.
Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes, and clothing. Avoid breathing vapors or mists.			
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Metal containers must be lined. Do not freeze.			
Storage Temperature	Minimum	35°F/2°C	Maximum	115°F/46°C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Component	ACGIH TLV	OSHA PEL	NIOSH
Isopropylamine Salt of Glyphosate	No data available	No data available	No data available

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin Protection

For prolonged or repeated contact, use protective gloves

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Slight Viscous
Color	Light yellow - Amber	Odor	No information available
Appearance	Transparent	pH	4.6
Specific Gravity	1.24	Evaporation Rate	0.1 (Butyl acetate=1)
Percent Volatile (Volume)	46	VOC Content (%)	0
VOC Content (g/l)	0	Vapor Pressure	18 mmHg @ 70 °F
Vapor Density	0.6 (Air = 1.0)	Solubility	Emulsifies
Boiling Point/Range	276°F/136°C		

10. STABILITY AND REACTIVITY

Chemical Stability

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Products

Strong oxidizing agents, Bases, Metals.

Hazardous Decomposition Products

Carbon oxides, Nitrogen oxides (NOx), Oxides of phosphorus, Phosphorus compounds.

Possibility of Hazardous Reactions

None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

No information available.

Component Information**Acute toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Isopropylamine Salt of Glyphosate	10537 mg/kg (Rat)	7500 mg/kg (Rat)	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Isopropylamine Salt of Glyphosate	no data available	no data available	no data available	no data available	blood, liver, kidney, heart, lungs

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Isopropylamine Salt of Glyphosate	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Isopropylamine Salt of Glyphosate	no data available	96 Hr LC50 Pimephales promelas: 2.3 mg/L [static] (0.6 g); 96 Hr LC50 Oncorhynchus mykiss: 8.3 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 5.6 mg/L [static]	no data available	48 Hr EC50 Daphnia magna: 2.6 - 3.4 mg/L [Static]	N/A

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of in accordance with local regulations.
Container Disposal	Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION

Inventories	
TSCA	Complies
DSL	Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Isopropylamine Salt of Glyphosate	Not applicable	Not applicable

Canada

This product may not be commercially placed on the market in Canada

WHMIS Hazard Class

To be determined.

16. OTHER INFORMATION

Prepared By	Dan Hollas
Supersedes Date	04/21/2006
Issuing Date	02/26/2010
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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