



SAFETY DATA SHEET

Issuing Date No data available

Revision Date 18-March 2015

Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name REVIVE

Other means of identification

Product Code(s) 168844

Synonyms N/A

Recommended use of the chemical and restrictions on use

Recommended Use Bowl & Restroom Cleaner

Uses advised against No Information Available

Supplier's details

Supplier Address

Birsch Industries
476 Viking Drive
Virginia Beach, VA. 23452
TEL: 757-622-0355

Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

SKIN CORROSION/IRRITATION – Category 2
EYE DAMAGE/IRRITATION – Category 2A
ACUTE TOXICITY: ORAL – Category 4

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word WARNING

Hazard Statements

- Causes skin irritation
- Causes serious eye irritation
- Harmful if swallowed

Appearance Clear**Physical State** Liquid**Odor** Slight Lemon Odor**Symbol:****Precautionary Statements****Prevention**

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

Ingestion

IF SWALLOWED, Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Skin

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.

Eyes

IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical attention.

Disposal

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Chemical Name	CAS-No	Weight %	Notes
Urea Monohydrochloride	506-89-8	5 – 20	*
Proprietary Ingredient	Proprietary	< 5	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of necessary first-aid measures**Eye Contact**

Immediately flush eyes with plenty of water, occasionally lifting upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. If irritation persists, get medical attention.

Skin Contact

Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation

Remove to fresh air. If symptoms persist, call a physician.

Ingestion

Wash mouth out with water. Give small quantities of water to drink, if conscious. Do NOT induce vomiting unless directed to do so by medical personnel. Call a POISON CENTER or doctor/physician if you feel unwell.

Indication of immediate medical attention and special treatment needed, if necessary**Notes to Physician**

Causes serious eye irritation. Causes mild skin irritation. Harmful if swallowed. Irritating to mouth, throat and stomach.

Indication of Any Immediate Medical Attention and Special Treatment No specific treatment.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Specific Hazards Arising from the Chemical

At temperatures above 60°C acid action on most metals may release hydrogen, a highly flammable and explosive gas.

Hazardous Thermal Decomposition Products

Carbon dioxide, Carbon monoxide, Nitrogen oxide, Hydrochloric acid.

Specific Fire-Fighting Methods

No information available

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**

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing mists or vapors. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental Precautions**Environmental Precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Methods and materials for containment and cleaning up**Methods for Cleaning Up**

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Contain and collect spillage with non-combustible, absorbent material and place in container for disposal according to local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling**Handling**

Use appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep tightly closed when not used. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking or smoking.

Conditions for safe storage, including any incompatibilities**Storage**

Store in original container away from direct sunlight in a dry, cool, well ventilated area. Keep container closed and sealed until ready for use.

Incompatible Products

Oxidizing materials, Chlorates, Nitrates, Hypochlorites, Alkaline Materials

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines**General protective and hygienic measures**

No information available.

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures, such as personal protective equipment

Eye & Face Protection	Chemical splash goggles should be used when a risk assessment indicates that it's necessary to avoid exposure to liquid splashes, mists, gases or dusts, unless the assessment indicates a higher degree of protection.
Hand & Skin Protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if necessary.
Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking or using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Clear
Odor	Slight Lemon Odor	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>
pH	1.0 – 1.5
Melting Point/Range	No data available
Boiling Point/Boiling Range	100° C
Flash Point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limits in Air	
upper flammability limit	No data available
lower flammability limit	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Specific Gravity	No data available
Water Solubility	100
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Flammable Properties	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available

10. STABILITY AND REACTIVITY

Stability

The product is stable

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

No information available

Incompatible materials

Oxidizing Materials, Chlorates, Nitrates, Hypochlorites, Alkaline materials.

Hazardous decomposition products

No information available

11. TOXICOLOGICAL INFORMATION**Route of Exposure**

Skin contact, Eye contact, Inhalation, Ingestion

Eye Contact	Causes eye irritation.
Skin Contact	Causes skin irritation
Inhalation	Avoid breathing vapors or mists.
Ingestion	Irritating to mouth, throat and stomach

Chronic Toxicity

Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental Effects	No known significant effects or critical hazards.
Fertility Effects	No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION**Behavior in Environmental Systems**

No further relevant information available

Additional Ecological Information

No further relevant information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Mop up or otherwise absorb and hold for disposal. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT	Not Regulated
IATA	Not Regulated
IMDG	Not Regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

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

SARA 311/312 Hazard Categories

Immediate Acute Health Hazard: 506-89-8 Urea Monohydrochloride

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65

This product does not contain any substances regulated by California Proposition 65.

US State Right-To-Know Regulations

This product does not contain any substances required to report to US State Right-To-Know Regulations.

16. OTHER INFORMATION

<u>NFPA</u>	Health 2	Flammability 0	Instability 0
<u>HMIS</u>	Health 2	Flammability 0	Physical Hazards 0

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General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet