

SAFETY DATA SHEET

Salt Buster

Revision Date: December 19, 2020

SECTION 1. IDENTIFICATION

1.1 Identifier

Product Brand name: Salt Buster

Product Description: Blend of various acids with other adjuvant

Product Code: 200438

1.2 Recommended Use & Restriction on Use:

Cleaning Metal and Inorganic Surfaces.

Not for Food, Drug, Pesticide or Biocide use. Read all 16 sections stated herein thoroughly and completely.

1.3 Details of the supplier of the safety data sheet

Tidol Corporation

146 Shorting Road, Scarborough ON M1S 3S6, Canada

Tel: 416-293-2244/ 1-800-881-8672 Fax: 416-293-5808

Email: info@tidolcorp.com

1.4 Emergency Telephone Number

Vendor 1-800-881-8672 or 416-293-2244 - 24hrs

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or Mixture

Skin Corrosion (Category 1B)

Serious Eye Damage (Category 1)

Metal Corrosion (Category 1)

Specific target Organ (Category 3)

2.2 Label elements



Signal Word Warning

Hazard Statements

H318: Causes serious eye damage (Cat 1)

H314: Causes severe skin burns and eye damage (Cat 1)

H305: May be harmful if swallowed and enters airways (Cat 2)

Precautionary Statements

Prevention

P280: Wear protective gloves/ eye protection/ face protection.

P305+351+338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Supplemental label elements: Mix only with water, do not mix with any other product or chemicals.

Storage

P403 + P233- Store in a well-ventilated place, Keep container tightly closed

P405-Store locked up.

P406- Store in corrosive resistant/container with a resistant inner liner.

Disposal

P501- Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.4 Other hazards

Potential Acute Health Effects:

Very hazardous in case of contact with eye, skin, ingestion and inhalation. Liquid or spray mist may produce tissue damage especially mucous membranes of eyes, mouth and respiratory tract. Will burn eyes and skin on contact. Respiratory track characterized by coughing, choking and shortness of breath. Inflammation of eyes results in redness, watering and itching. Skin contact results in scaling, redness or blistering.

Potential Chronic Health Effects:

Carcinogenic Effects, NA; Mutagenic Effects, NA; Teratogenic Effects, NA; Developmental Toxicity, NA.
May be toxic to kidneys, liver, mucous membranes, respiratory tract, skin and teeth.

Target Organs

Respiratory Tract

NFPA Rating

Health hazard: 3

Fire: 0

Reactivity Hazard: 0

HMIS Classification

Health hazard: 0

Flammability: 0

Physical hazards: 1

2.5 Unknown Acute Toxicity

No information available

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

No information available

3.2 Mixtures

COMPONENT	CAS #	CONCENTRATIONS W/W
Phosphoric Acid	7664-38-2	12-16%
Sulfamic Acid	5923-14-6	5-7%
Oxalic Acid	6153-56-6	7-10%
Citric Acid	77-92-9	5-7%

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with water for 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact: Flush skin with water for 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion: Call medical doctor or poison control center immediately. Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after eye contact : Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed.

No information Available.

SECTION 5. FIRE FIGHTING MEASURES

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Reactivity : Thermal decomposition generates : Corrosive vapors.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary and unprotected personnel from entering area. Avoid breathing vapors. Provide adequate ventilation. Do not touch or walk through spilled material. Beware of vapors accumulating to form explosive hydrogen gas mixtures. Full personal safety equipment (suit gloves, respirator, face shield) required.

6.2 Environmental precautions

Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Contain spill area.

6.3 Methods and material for containment and cleaning up

Corrosive liquid! Ventilate area. Prevent runoff. Contain and collect spillage with absorbent material e.g. sand, earth, vermiculite etc and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Dilute with water and mop-up or absorb with an inert dry material and place in an appropriate waste disposal container. Avoid contact with strong oxidizers.

6.4 Reference to other sections

No information available.

SECTION 7. HANDLING AND STORAGE

7.1 Handling Avoid breathing vapors or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store in ventilated areas.

7.2 Storage Store in a well-ventilated, cool area for corrosive liquids. Keep container tightly closed and sealed until ready for use.

7.3 Incompatibilities/Specific end uses

Incompatibilities Other Detergent Products, acids and bases

Specific end uses Industrial Use.

Additional Information

Special shipping instructions: Protect against physical damage. Use precaution when handling or shipping any chemical substance. Present appropriate placards when applicable, be sure documentation is correct, and each container has the proper safety marks affixed.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Phosphoric Acid, 85% w/w (7664-38-2)

OSHA	OSHA PEL (TWA) (mg/m ³)	1 mg/m ³
IDLH	US IDLH (mg/m ³)	1000 mg/m ³
NIOSH	NIOSH REL (TWA) (mg/m ³)	1 mg/m ³
NIOSH	NIOSH REL (STEL) (mg/m ³)	3 mg/m ³

Water (7732-18-5) Not applicable

8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Chemical resistant apron. Face shield. Gloves. Protective clothing. Safety glasses.

Engineering measures : Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne concentrations below any recommended threshold limits. Full safety shower should be in close proximity to working area.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating and using the lavatory. Wash contaminated clothing before reusing.

Personal protection

Respiratory : If used in poorly ventilated areas, use a properly fitted, air-purifying or air-fed respirator complying with an approved standard. Respirator selection must be based on known or anticipated exposure levels.

Hands : Chemical-resistant neoprene gloves

Eyes : Safety eyewear; splash goggles, face shield

Skin : Lab coats for personal protective equipment and should be approved by a specialist before handling this product. Depending on volume/conditions a full acid suit may be necessary.

Environmental exposure

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Appearances	Liquid
Initial Boiling Point	Not applicable
Boiling Range	105 °C / 221 °F
Bulk Densities	Not Applicable
Evaporation Rate	Not Applicable
Flammability	Non flammable
Upper Flammability limit	Non Flammable
Lower Flammability limit	Non flammable
Partition coefficient	Not available
Auto Ignition temperature	Non flammable
Decomposition Temperature	Not available
Color	Clear/Yellowish
Densities	Not Available.
Explosive properties	Not Applicable
Extinguishing Media for Fires	Non-Flammable
Flash Points	Not Available.
Heats of Combustion	Not Available.
Henry's Law Constant	Not Available.
Melting point/freezing point	-35 °C / -31 °F
Odor Threshold Values	Not Available.
Odors	Pungent
Percent Volatility	Not Available.
pH Value	1.5 ± 0.50
Specific Gravity	1.025

Vapor Pressures	Not Available.
Viscosity	Not Applicable
Water Miscibility	Water Soluble
Water Solubility (Qualitative)	Infinite

9.2 Other information

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity	:	Thermal decomposition generates : Corrosive vapors.
10.2. Chemical stability	:	Not established.
10.3. Possibility of hazardous reactions	:	Not established.
10.4. Conditions to avoid	:	Direct sunlight. Extremely high or low temperatures.
10.5. Incompatible materials	:	Strong acids. Strong bases. metals.
10.6. Hazardous decomposition products	:	Phosphorus oxides.
		Thermal decomposition generates : Corrosive vapors.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity	Not Classified
Other information on acute toxicity	No data available
Skin corrosion/irritation	Corrosive through skin absorption
Serious eye damage/eye irritation	Eyes: very corrosive
Respiratory or skin sensitization	Dryness, reddening, blistering
Germ cell mutagenicity	No data available
Specific target organ toxicity -- single exposure (Globally Harmonized System)	Liver, respiratory/gastro tract, eyes and skin
Specific target organ toxicity -- repeated exposure (Globally Harmonized System)	Liver, respiratory/gastro tract, eyes, skin and general overall organs
Aspiration hazard	Will burn mouth, throat and respiratory tract
Potential health effects	
Inhalation	May be toxic if inhaled. Causes respiratory tract inflammation/burns.
Ingestion	May be toxic if swallowed and causes burns/tissue destruction.
Skin	Toxic if absorbed through skin. Causes skin irritation/blisters.
Eyes	Will burn eyes on contact.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity	No information available.
12.2 Persistence and degradability	Expected to be biodegradable
12.3 Bio accumulative potential	No information available.
12.4 Mobility in soil	Product absorbs weakly to most soil types
12.5 Results of PBT and vPvB assessment	No information available.
12.6 Other adverse effects	No information available.
12.7 Additional Information	

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

All waste from this product including all empty containers must be disposed of in accordance with municipal, provincial and federal regulations.

Methods of disposal

No information available.

Contaminated packaging

No information available.

SECTION 14. TRANSPORT

Product as sold

Land Transport -TDG Ground/Rail

14.1 UN number	UN1805
14.2 UN proper shipping name	UN1805, Phosphoric Acid, Class 8, PG III
14.3 Transport hazard class(es)	8
14.4 Packing group	III
14.5 Environmental hazards	No information available.
14.6 Special precautions for user	Follow sections 2,3,and 4

SECTION 15. REGULATORY INFORMATION

15.1. US Federal regulations

Phosphoric Acid, 10% v/v

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency ToxicSubstances Control Act (TSCA) inventory

Phosphoric Acid, 85% w/w (7664-38-2)

RQ (Reportable quantity, section 304 of EPA's List of Lists) 5000 lb

15.2. International regulations

CANADA

Phosphoric Acid, 85% w/w (7664-38-2)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations No additional information available

National regulations No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16. OTHER INFORMATION

Specific Hazard: N/A

HMIS Ratings :



The information on this Safety Data Sheet has been obtained from the Globally Harmonized System of Classification and Labeling of Chemicals, Guidance on the preparation of Safety Data Sheet, Suppliers, Manufacturers, and where applicable, from other reliable sources such as CCOHS, RTECS and worldwide web. However, TIDOL CORPORATION makes no warranties, expressed or implied, as to the accuracy; completeness or adequacy of the information contained herein, and shall not be held liable, regardless of fault, to anyone directly or indirectly for damages or injuries in the use of this product arising out of or in connection with the accuracy, completeness or adequacy of such information. It is the purchaser and the user of the product to evaluate the usefulness of the product and the information inscribed here.

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