

SAFETY DATA SHEET

RINSOL 4500

SECTION 1. COMPANY & PRODUCT IDENTIFICATION

Date of Issue: 20 December 2020

1.1 Product Identifier

Product Brand name: Rinsol 4500
Product Description: Alkaline Detergent
Product Code: 200609

1.2 Relevant Identifier uses of the substance or mixture and uses advised against

Cleaning, Disinfecting and Degreasing.

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
Canutec 1-613-996-6666 or 1-888-CAN-UTEC

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or Mixture

Skin Corrosion	Category 1B
Eye Damage	Category 1
Metal Corrosion	Category 1
Specific target organ toxicity	Category 3

2.2 Label elements



Hazard Statements

H290-May be corrosive to metals
H314-Causes severe skin burns and eye damage
H335-May cause respiratory irritation

Precautionary Statements

Prevention

P234- Keep only in original container.
P260-Do not breathe dust/fume/gas/mist/vapors/spray
P264- Wash skin thoroughly after handling

P271- Use only outdoors or in a well-ventilated area

Response

P301 + P330 + P331-IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353-IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse SKIN with water/shower.

P304 + P340-IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P305 + P351 + P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310-Immediately call a POISON CENTER or doctor/physician.

P312- Call a POISON CENTER or doctor/physician if you feel unwell

P321-Specific treatment

P363-Wash contaminated clothing before reuse.

P390- Absorb spillage to prevent collateral material damage

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:

Hazardous in case of contact with eyes, skin; if ingested and inhaled. Liquid, mist or powder may produce tissue damage especially mucous membrane of eyes, mouth, nostrils and respiratory tract. Will burn eyes and skin on contact. Respiratory tract characterized by coughing, choking and shortness of breath. Inflammation of eyes results in redness, watering and itching. Skin contact may result in scaling, redness or blistering.

Potential Chronic Health effects

Carcinogenic- Not available

Mutagenic- Not available

Teratogenic- Not available

Embryonic- Not available

Maybe toxic Kidneys, Liver, Mucous membranes, Respiratory tract, Skin and Teeth

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
Sodium Metasilicate	6839-92-0	5%
Ethylene Glycol Monobutyl Ether	111-76-2	3%
Alkyl dimethyl benzyl ammonium chloride	63449-41-2	2.25%

Alkyl dimethyl ethyl benzyl ammonium chloride	85409-23-0	2.25%
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SECTION 4. FIRST AID MEASURES INFORMATION

4.1 Description of first aid measures

General notes	Precaution should always be taken to avoid skin/eye contact with any chemical substance. Precaution should always be taken to avoid contact or inhalation of fumes of any chemical substance.
Inhalation	Remove to fresh air, apply artificial respiration or administer oxygen if necessary. Seek prompt medical attention, if symptoms persist.
Skin contact	Immediately remove contaminated clothing and flush skin with potable water for at least fifteen minutes. Wash skin with mild soap and water. Launder clothes before reuse.
Eye contact	Flush continuously with potable water for 15 minutes. Forcibly hold eye lids apart to ensure irrigation of all eye tissue. If irritation persists, get medical attention.
Ingestion	Do not induce vomiting without medical advice. If ingestion of large amount occurs seek medical attention. Never give anything by mouth if the victim is unconscious or losing consciousness or convulsing. Rinse mouth with water and drink small quantity of water.

Self-protection of the first aider: No information available

4.2 Most important symptoms and effects, both acute and delayed

Product is a corrosive material; causes burns by all exposure routes. Ingestion causes severe swelling, severe damage to delicate tissue and danger of perforation. Use of gastric lavage or emesis contraindicated due to the product being corrosive. Possible perforation of stomach or esophagus should be investigated.

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

No information Available.

SECTION 5. FIRE FIGHTING MEASURES INFORMATION

5.1 Extinguishing media

Suitable extinguishing media:	Non flammable, use appropriate media for surrounding fire.
Unsuitable extinguishing media:	No information available.

5.2 Special hazards arising from the substance or mixture

Not available

5.3 Special precautions for firefighters

Use NIOSH/MSHA approved SCBA and full protective equipment. No special fire fighting procedures needed. Avoid breathing in vapours. Cool containers with water from maximum of distance.

5.4 Special protective equipment for firefighters

Fire fighters should wear full protective gear including self contained breathing apparatus with full face shield operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES INFORMATION

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate the contaminated area. Wear self contained breathing apparatus and full protective clothing.

6.2 Environmental precautions

Do not flush into sanitary or storm sewer or water cause as this material is toxic to fish and wildlife.

6.3 Methods and material for containment and cleaning up

Cover spill with suitable absorbent material, sand or vermiculite, mix well and carefully transfer to a well marked container. In case of powders sweep up without causing dust and close lid tightly and have it disposed. Vacuum using a vacuum cleaner equipped with a HEPA filter or wet sweeping may be used to avoid dust dispersal. Follow national, provincial, city and local laws and bylaws in disposing.

6.4 Reference to other sections

No information available.

SECTION 7. HANDLING AND STORAGE INFORMATION

7.1 Precautions for safe handling

Avoid all eye and skin contact. Avoid ingestion. Do not breathe dust, gas or fumes. Do not consume tobacco, food or drinks in areas where they may become contaminated with this material. Wash thoroughly after handling. Handle and open container with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and well ventilated area. Protect from humidity. Prevent accumulation of dust. Store away from all incompatible materials. Keep container closed when not in use. Do not store in Aluminum, Brass, Copper, Zinc, Copper alloys, Galvanized containers. In case of high humidity or storage for extended periods of time, use plastic bags to avoid caking.

7.3 Incompatibilities/Specific end uses

Incompatibilities	Other Detergent Products, acids and bases
Specific end uses	Cleaning, Sanitizing and Deodorizing.

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 INFORMATION

8.1 Control Parameters

8.2 Engineering Controls/Exposure Controls

Engineering controls	Good general ventilation is normally adequate, local exhaust at the points of emission. Keep container closed.
Environmental exposure controls	Do not allow material to enter sanitary and or storm sewer, follow city bylaws.

8.3 Protective Measures

Eye/face protection	Chemical safety goggles
Hand protection	Wear impervious gloves (e.g. neoprene, rubber) when there is greater exposure risk.
Other Skin protection	wear impervious protective clothing when there is greater risk.

Other protection	An eye wash station and safety shower should be near the work area.
Respiratory protection	A MSHA/NIOSH approved respirator is recommended when there is greater risk
General hygiene consideration	No information available.
Thermal hazards	No information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Appearances	Liquid
Initial Boiling Point	Not applicable
Boiling Range	Not applicable
Bulk Densities	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	Yellow
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	Not applicable
Odor Threshold Values	Not Available.
Odors	Lemon
Percent Volatility	Not Available.
pH Value	12.5 ± 0.5
Specific Gravity	1.025
Vapor Pressures	Not Available.
Water Miscibility	Water Soluble
Water Solubility (Qualitative)	Infinite

9.2 Other information

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	No information available.
10.2 Chemical stability	Stable under ambient STP
10.3 Possibility of hazardous reactions	No information available.
10.4 Conditions to avoid	Contact with incompatible materials
10.5 Incompatible materials	Contact with ammonium salts may produce ammonia gas. Contact with reducing sugars may produce carbon monoxide gas. Lead and zinc. Tin. Aluminum
10.6 Hazardous decomposition products	None

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

Skin contact	Dermal corrosion
Eye contact	Corrosive to eyes
Inhalation	Causes irritation to the respiratory tract. Symptoms include coughing, shortness of breath. Behaves as a moderately strong alkali; intense exposure may result in the

Ingestion destruction of mucous membranes. May cause asthmatic bronchitis, chemical pneumonitis, or pulmonary edema.
 Can cause irritation to mouth, throat and stomach. Large dose may cause violent colic, diarrhea, depression and possible death

Symptoms related to the physical, chemical and toxicological characteristics
 No information available.

11.2 Information on toxicological effects

Acute Toxicity Refer to route of entry
Chronic effects Not Available.

11.3 Numerical measures of Toxicity

Skin corrosion/irritation No information available.
Serious eye damage/eye irritation No information available.
Respiratory sensitization No information available.
Skin sensitization No information available.
Carcinogenicity No known reports of carcinogenicity. Not a listed carcinogen NTP, IARC, or OSHA.
Germ cell mutagenicity No information available.
Reproductive toxicity Not information available
Specific target organ toxicity-single exposure No information available.
Specific target organ toxicity-repeated exposure No information available.
Aspiration hazards No information available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Median tolerance for fish (gambusia affinis, 96 h): 2320 ppm. Median tolerance for amphopoda, 96h: 160 ppm. Median tolerance for snail eggs (lymnea, 96h): 632 ppm. Median tolerance for water fleas (daphnia magna, 96h): 247 ppm. Harmful to aquatic organisms.

12.2 Persistence and degradability No information available.
12.3 Bio accumulative potential No information available.
12.4 Mobility in soil No information available.
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

Handling for disposal 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 INFORMATION

Product as sold

Land Transport -TDG Ground/Rail

14.1 UN number UN3253
14.2 UN proper shipping name UN3253, Disodium trioxosilicate, 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
- 14.7 Transport in bulk according to Annex II of Marpol112 and the IBC Code
No information available

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Weapons Convention

No components are subject to the Chemical Weapons Convention Section 1.

Chemical Management Plan 3 (2016-2020)

No components are subject to the Chemical Management Plan 3 (2016-2020) Section 1.

Condition - Canada

No components are subject to the Condition - Canada Section 1.

New Substance Notification

No components are subject to the New Substance Notification Section 1.

Prohibited - Canada

No components are subject to the Prohibited - Canada Section 1.

Restricted Components

Silicic Acid (H2SiO3), Disodium Salt (6834-92-0)

Schedule 1 - Toxic Substance

No components are subject to the Schedule 1 - Toxic Substance Section 1.

Chemical Weapons Convention

No components are subject to the Chemical Weapons Convention Section 1.

Chemical Management Plan 3 (2016-2020)

No components are subject to the Chemical Management Plan 3 (2016-2020) Section 1.

Condition - Canada

No components are subject to the Condition - Canada Section 1.

New Substance Notification

No components are subject to the New Substance Notification Section 1.

Prohibited - Canada

No components are subject to the Prohibited - Canada Section 1.

Restricted Components

No components are subject to the Restricted Components Section 1.

Schedule 1 - Toxic Substance

No components are subject to the Schedule 1 - Toxic Substance Section 1.

15.2 Chemical Safety Assessment

No Information Available

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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This Safety data sheet was prepared in compliance with Canadian Hazardous Products Act, 1985, c.H-3 and Hazardous products Regulations 2015-17, Globally Harmonized System of Classification and Labeling of Chemicals and Guidance on the preparation of Safety Data Sheets.