

PRODUCT: RESOLVE SAFETY ACID BOWL CLNR

CODE: 6220

SECTION 01: IDENTIFICATION

Supplier identifier..... Mister Chemical
 101 Jaycob Keffer Parkway
 Vaughan ON. L4K5NB
 Canada
 905 – 761 9995

Product identifier..... RESOLVE SAFETY ACID BOWL CLNR
 Product code..... 6220
 Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).
 Product use..... Bowl cleaner.

SECTION 02: HAZARD IDENTIFICATION

Hazard classification..... Skin Corrosion — Category 1B. Serious Eye Damage — Category 1.
 Signal word..... DANGER.
 Hazard statement..... H314 Causes severe skin burns and eye damage.
 Precautionary statements..... P260 Do not breathe mist/vapours/spray. P264 Wash hands, face and skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P363 Wash contaminated clothing before reuse. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310 Immediately call a POISON CENTER or doctor/physician. P321 Specific treatment (see section 4 of SDS). P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.

Other hazards..... None.
 Supplemental Information..... Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Phosphoric acid	7664-38-2	10-30
Urea monohydrochloride	506-89-8	1-5
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	0.1-1

<The exact concentration of composition has been withheld as a trade secret>

SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact..... Promptly wash skin thoroughly with soap and water and rinse for 15 minutes. Remove contaminated clothing and launder before reuse. Get medical aid.

Eye contact..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical aid immediately.

Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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Medical attention and special treatment.... Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media..... Use an extinguishing agent suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.

Hazardous combustion products..... The substances/groups of substances mentioned can be released in case of fire.: Chlorine, Hydrogen chloride gas. Carbon oxides. Harmful vapours.

Special protective equipment and precautions Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Move containers from fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.

Sensitivity to static discharge..... Product is not sensitive to static discharge.

Sensitivity to mechanical impact..... Product is not sensitive to mechanical impact.

Further information..... Contact with some reactive metals may produce flammable hydrogen gas. During fire, gases hazardous to health may be formed.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Ventilate area if indoor. Restrict access to area until completion of clean up. Evacuate personnel to safe areas. Ensure clean up is conducted by trained personnel only. Wear protective equipment: goggles, chemically resistant clothing and gloves, and appropriate respirator if in a confined area.

Environmental precautions..... Stop leak and contain spill.

Methods and materials for containment and cleaning up Stop leak. Dike and contain spill. Neutralize spill with sodium bicarbonate. Absorb with inert material (soil, sand, vermiculite) or wipe up or scrape up and place in an appropriate waste disposal container clearly identified. Dispose via a licensed waste disposal contractor. Finish cleaning by rinsing with water contaminated surface. Contaminated absorbent material may pose the same hazards as the spilled product.

SECTION 07: HANDLING AND STORAGE

Handling precautions..... Use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapours/fumes. Wash thoroughly after handling. Keep container tightly closed. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage needs..... Keep in a dry, cool and well-ventilated place. Keep containers tightly closed when not in use. Do not store in unlabeled containers. Keep containers from excessive heat and freezing.

Materials to avoid..... Keep away from strong bases. Do not mix with other chemicals or cleaners.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Phosphoric acid	1 mg/m3	3 mg/m3	1 mg/m3	not available	1 mg/m3
Urea monohydrochloride	not available	not available	not available	not available	not available
Alkyl dimethyl benzyl ammonium chloride (C12-16)	not available	not available	not available	not available	not available
Engineering controls.....	Good general ventilation (typically 10 air changes per hour) should be used. Eye wash bottle with pure water.				
Individual protection measures					
Eye/type.....	Safety glasses with side-shields. Wear face shield if splashing hazard exists.				
Gloves/type.....	Wear chemical resistant protective gloves.				
Respiratory/type.....	If using in a poorly ventilated area, wear a properly fitted respirator (NIOSH approved) during exposure.				
Hygiene measures.....	Handle in accordance with good industrial hygiene and safety practice. Wear clean long legged, long sleeved work clothes. Do not eat, drink, smoke or use cosmetics while working with this product. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.				

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance..... hazy liquid.
 Color..... green.
 Odour..... apple.
 Odour threshold..... not available.
 pH..... <1.
 Melting point (°C)..... not applicable.
 Freezing point (°C)..... < 0.
 Initial boiling point (°C)..... 100.
 Flash point (°C), Method..... not applicable.
 Evaporation rate..... not available.
 Upper flammability limit (% vol)..... not available.
 Lower flammability limit (% vol)..... not available.
 Vapour pressure (mm Hg)..... not available.
 Vapour density (air=1)..... > 1.
 Relative density/Specific Gravity..... 1.14.
 Water solubility..... soluble.
 Solubility in other solvents..... not available.
 Partition coefficient — n-octanol/water..... not available.
 Auto ignition temperature (°C)..... > 200 °C.
 Thermal decomposition temperature..... not available.
 Viscosity..... thick liquid.

SECTION 10: STABILITY AND REACTIVITY

Reactivity..... No hazardous reactions if stored and handled as prescribed/indicated.
 Chemical stability..... The product is stable if stored and handled as prescribed/indicated.
 Possibility of hazardous reactions..... No hazardous reactions when stored and handled according to instructions. The product is chemically stable. Contact with some reactive metals may produce flammable hydrogen gas.
 Conditions to avoid..... Avoid heat and open flame. Exposure to sunlight. Do not mix with other chemicals.
 Incompatible materials..... Acids and bases. Strong oxidizing agents.
 Hazardous decomposition products..... Toxic gases/fumes may be given off during burning or thermal decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Phosphoric acid	3.85 mg/l (inhalation-rat, 1H)	1,530 mg/kg (oral-rat); 2,740 mg/kg (skin-rabbit)
Urea monohydrochloride	not available	1121 mg/kg (oral-rat)
Alkyl dimethyl benzyl ammonium chloride (C12-16)	0.054-0.51 mg/l mist (inhalation-rat, 4H)	344 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Routes of exposure		
Inhalation.....	Inhalation of vapours may cause irritation to the nose, throat and respiratory tract.	
Ingestion.....	Ingestion may cause pain, irritation and burns in the mouth, throat and stomach.	
Skin contact.....	Skin contact causes irritation and possible burns.	
Eye contact.....	Can cause eye damage.	
Acute effects		
Acute oral toxicity.....	Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.	
Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.	
Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. Exposure time: 4 h. Test atmosphere: vapour. Virtually nontoxic by inhalation. Method: calculation method.	
Skin corrosion/irritation.....	Result: Skin corrosion.	
Serious eye damage/eye irritation.....	Result: Corrosive to eyes.	
Respiratory or skin sensitisation.....	Non-sensitizing.	
Specific target organ toxicity (STOT) single exposure.....	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.	
Aspiration hazard.....	No aspiration hazard expected.	
Chronic toxicity/effects		
Specific target organ toxicity (STOT) repeated exposure.....	No known significant effects or critical hazards.	
Carcinogenicity.....	No carcinogenic substances as defined by IARC, NTP, OSHA and/or ACGIH.	
Reproductive toxicity.....	No known significant effects or critical hazards.	
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.	
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.	

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SECTION 11: TOXICOLOGICAL INFORMATION

Symptoms of Exposure..... The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... May cause long-term adverse effects in the aquatic environment.
Persistence and degradability..... The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Bioaccumulative potential..... No data available.
Mobility in soil..... No data available.
Other adverse effects..... No applicable information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods
Waste disposal of substance..... Dispose of in accordance with national, state and local regulations.
Container disposal Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14: TRANSPORT INFORMATION

TDG classification..... UN1805, Phosphoric acid, solution, Class 8, PGIII.

SECTION 15: REGULATORY INFORMATION

WHMIS regulatory status..... This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.

SECTION 16: OTHER INFORMATION

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.
Prepared by: CanChem Consultant
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