

Section 1 - Product Information

Product Name: Instrument Brightener
Product Code Number: 0421
Product use: Instrument brightener/descaler

Information Phone: 800-475-9040
Emergency Contact: CHEMTREC 1-800-423-9400

Supplier: Getinge USA, Inc
Address: 1777 Henrietta Road
 Rochester, NY 14623

Section 2 - Hazard Identification

OSHA Hazards: Corrosive

GHS Classification: Corrosive Category 1B

Signal Word: DANGER

Hazard Statements

Causes severe skin burns and eye damage.
 May be corrosive to metals



Precautionary Statements

Wear protective gloves and eye protection. Wash thoroughly after handling. Do not breathe mist.
 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing.
 IF SWALLOWED: Rinse mouth, Do NOT induce vomiting.
 IF INHALED: Remove to fresh air and keep at rest position comfortable for breathing. Immediately call a POISON CENTER or physician.

Section 3 - Composition

Chemical Name	CAS #	Percent w/w
Citric Acid	77-92-9	14
Hydroxyacetic Acid	79-14-1	14

Section 4 - First Aid Measures

Skin: Flush with flowing water for 15 minutes or until slippery feeling disappears. See physician.

Eyes: Flush with flowing water for 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. & see physician

Ingestion: IF SWALLOWED, rinse mouth, do not induce vomiting, call a POISON CENTER or physician if you feel unwell.

Inhalation: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

Section 5 - Fire and Explosion Hazard Data

Flash Point:	Limits:	Extinguishing Media:
None	LEL	NA
	UEL	NA

Water spray or fog, foam, dry chemical, carbon dioxide or alcohol foam, if product involved

Special Fire Fighting Procedures: Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH Approved or equivalent to maintain TLV.
UNUSUAL FIRE & EXPLOSION HAZARD: Product will not burn.

Section 6 - Accidental Release Measures

Mop up spills and flush to sewers with plenty of water. Neutralize with sodium bicarbonate. Floors may be slippery, use care to avoid falls.

Section 7 - Handling and Storage

For institutional and industrial use only. Not intended for consumer use. Store locked up. Store upright in original closed container.

Section 8 - Exposure Controls/PPE

Ingredient:	OSHA PEL:	ACGIH TLV	PPE
Citric Acid	NA	NA	Respiratory: not normally required
Hydroxyacetic Acid	10mg/m ³	10mg/m ³	Eye: Safety glasses, face shield Skin: Apron, acid proof gloves Ventilation: Normal room ventilation

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practices. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Section 9 - Physical and Chemical Properties

Appearance	Odor	Odor Threshold	pH	Melting Point	Boiling Point	Evaporation Rate	Flammability	Upper/Lower Flammability Limits	Vapor Pressure
Colorless Liq.	mild acidic	NE	1.6	NE	212°F	>1 (water=1)	NA	NA	17mm Hg
Vapor Density	Density	Specific Gravity	pH (use dil)	Solubility	Partition coefficient	Auto Ignition Temp	Decomposition Temp	Viscosity	
0.62 (air=1)	9.08	1.09	2.6	100% in water	NE	NA	NA	Water like	

Section 10 - Stability and Reactivity

Product is stable, hazardous polymerization will not occur. Incompatible with strong alkalis and cyanides. If burned, normal combustion products: Carbon Dioxide, Carbon Monoxide, Nitrous Oxides.

Section 11 - Toxicological Information

Ingredient	Acute Toxicity (oral LD50) rat	Acute Toxicity (derm LD50) rabbit	Eye	Carcinogen	Mutagen	Reproduct Toxicity	STOST* - Single Exposure	STOST Repeated Exposure
Citric Acid	3000mg/kg	NE	NA	NA	NA	NA	NA	NA
Hydroxyacetic Acid	2040mg/kg	NE	corrosive	NE	NE	NE	NE	NE

Section 12 - Ecological Information

No information available

Section 13 - Disposal Considerations

Products covered by this SDS, in their original form, are considered corrosive waste (waste code - D002) according to RCRA (40 CFR 261). Dispose of in accordance with applicable Federal, State and Local regulations.

Section 14 - Transport Information

UN Number	Basic Description (DOT)	Class	Packing Group	LTD QTY
UN3265	Corrosive liquid, acidic, organic, n.o.s (Contains Hydroxyacetic acid)	8	II	<1 Liter

Section 15 - Regulatory Information

SARA Title 3: Does not contain reportable chemicals under sections 302, 304, or 313 of Title III of the Superfund amendments and Reauthorization Act of 1986.

CERCLA: Does not contain chemicals subject to reporting under CERCLA. For more information consult 40 CFR parts 302, 355, 370, 372 and 40 CFR part 68.

Section 16 - Other Information

WHMIS: E



HMIS:

Health: 2

Flam: 0

Physical: 0

PPE: C

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Prepared by: Environmental, Health and Safety Administrator

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 guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered 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 materials or in any process, unless specified in the text.

Legend for Abbreviations: NA - not applicable, NE - Not Established