

Safety Data Sheet


Section 1 - Product Information

Product Name: CleanerLS - Organic Acid Scale Remover		Supplier: Intercon Chemical Company
Product Code Number: 8421	Information Phone: 314-771-6600	Address: 1100 Central Industrial Drive St. Louis, MO 63110
Product use: Acid Cage Detergent/Descaler	Emergency Contact: CHEMTREC 1-800-424-9300	

Section 2 - Hazard Identification

GHS Classification: Skin Corrosive Category 1B, Eye Corrosive Category 1

Section 2.1 - Label Elements

Hazard Pictograms: 	Precautionary Statements: P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264+P265 - Wash thoroughly after handling. Do not touch eyes. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P361+P354 - IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. P363 - Wash contaminated clothing before reuse. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P316 - Get emergency medical help immediately. P321 - For specific treatment, see Section 4 of this SDS. P305+P354+P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contacts if present and easy to do. Continue rinsing. P405 - Store locked up. P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.
Signal Word: Danger	
Hazard Statements: H314 - Causes severe skin burns and eye damage.	

Section 3 - Composition

Chemical Name	CAS #	Percent w/w
Citric Acid	77-92-9	12 - 18
Hydroxyacetic Acid	79-14-1	12 - 18

Section 4 - First Aid Measures

IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for at least 15 minutes. Wash contaminated clothing before reuse. Get emergency medical help immediately.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get emergency medical help immediately.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get emergency medical help immediately.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if irritation occurs.

Section 5 - Fire and Explosion Hazard Data

Flash Point:	Limits	Extinguishing Media:	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.
none	LEL: NA UEL: NA	Water spray or fog, foam, dry chemical, carbon dioxide or alcohol foam, if product involved.	UNUSUAL FIRE & EXPLOSION HAZARD: None. Product will not burn.

Section 6 - Accidental Release Measures


Don appropriate PPE. For small spills, mop up and flush to sewers with plenty of water. For large spills, neutralize with sodium bicarbonate and flush to sewers with plenty of water. Floors may be slippery, use care to avoid falls.

Section 7 - Handling and Storage

For institutional and industrial use only. Don appropriate PPE. 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	General Hygiene Considerations
Citric acid	NA	NA	Respiratory: not normally required	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.
Hydroxyacetic acid	10 mg/m ³	10 mg/m ³	Eye: safety glasses, face shield	
			Skin: Apron, acid proof gloves	
			Ventilation: Normal room ventilation	

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 to pale yellow	mild acidic	NE	< 4	NE	212°F	>1(water =1)	NA	NA	17mm Hg
Vapor Density	Density	Specific Gravity	pH (Use Dilution)	Solubility	Partition Coefficient	Auto Ignition Temp	Viscosity	Decomposition Temp	
0.62(air =1)	9.08	1.09	< 4	100% in water	NE	NA	Thin	NE	
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									
Ingredients		Acute Toxicity (Oral LD50) Rat	Acute Toxicity (Derm. LD50) Rabbit	Eye and Skin	Carcinogen	Mutagen	Reproductive Toxicity	STOT - Single Exposure	STOT - Repeated Exposure
Citric acid		6,730 mg/kg	330 mg/kg	Corrosive	None	NE	None	Resp. Tract Irritation	NA
Hydroxyacetic acid		2,040 mg/kg	> 5,000 mg/kg	Corrosive	NA	NE	NE	NE	NE
Section 12 - Ecological Information					Section 13 - Disposal Considerations				
<p>Mixture is not toxic when heavily diluted.</p> <p><u>Citric Acid:</u> Not classified as environmentally hazardous.</p> <p><u>Hydroxyacetic Acid:</u> Fish: LC50 96hr - <i>Pimephales promelas</i> (flathead minnow), 164 mg/L. Algae: ErC50 72 hr - <i>Pseudokirchneriella subcapitata</i> (green algae), 44 mg/L. Invertebrates: EC50 48 hr - <i>Daphnia magna</i> (water flea), 141 mg/L.</p>					<p>Products covered by this SDS, in their original form, are considered corrosive waste (D002) according to RCRA (40 CFR 261). Dispose of in accordance with applicable Federal, State and Local regulations.</p>				
Section 14 - Transport Information									
UN number	Basic Description (DOT - ground)					Class	Packing Group	LTD QTY	
UN3265	Corrosive liquid, acidic, organic, n.o.s(contains hydroxyacetic acid)					8	II	< 1.0 L	
UN number	Basic Description (IATA - air)					Class	Packing Group	LTD QTY	
UN3265	Corrosive liquid, acidic, organic, n.o.s(contains hydroxyacetic acid)					8	II	< 0.1 L	
UN number	Basic Description (IMDG - sea)					Class	Packing Group	LTD QTY	
UN3265	Corrosive liquid, acidic, organic, n.o.s(contains hydroxyacetic acid)					8	II	< 1.0 L	
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: Hydroxyacetic Acid [RQ=5,000 lbs]. For more information consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68									
	WARNING: This product can expose you to chemicals including dichloroacetic acid (CAS# 79-43-6), which is known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov .								
Section 16 - Other Information									
				HMIS:	Health - 2	Flam. - 0	Reactivity - 0	PPE - C	
Date Prepared: 03 Dec 2025				Prepared by: Director of Technical Service, Research and Development					
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: GHS - Globally Harmonized System; CAS - Chemical Abstracts Service; NA - Not Applicable; MSHA - Mine Safety and Health Administration; NIOSH - National Institute for Occupational Safety and Health; TLV - threshold limit value; PPE - personal protection equipment; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; ACGIH - American Conference of Governmental and Industrial Hygienists; NE - Not Established; STOT - Specific Target Organ Toxicity; HMIS - Hazard Materials Identification System; NOEC - No Observed Effect Concentration; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; RQ - DOT Reportable Quantity; DOT - Department of Transportation (49 CFR parts 100 to 185); IATA - International Air Transport Association; IMDG - International Code for the maritime transport of Dangerous Goods; WHMIS - Workplace Hazardous Materials Information System (Canada).									