

Product Name: ACCO Rust Remover

Release Date: 10/2/2020

Product Number: 102-80008, 102-80016

Section 1. Identification

Product Identifier: Other means of identification: CAS Number: Recommended Use: Recommended Restrictions: Supplier/Distributor Information: ACCO Rust Remover Not available 57-55-6, 144-62-7 Rust Stain Remover None known.

ACCO Unlimited Corporation 5105 NW Johnston Dr. Johnston, IA 50131 (800) 548-2226

EMERGENCY PHONE NUMBER: 800-424-9300 CHEMTREC

Section 2. Hazard(s) Identification

OSHA/HCS status	This material is considered hazardous by the OSHA Hazard
	Communication Standard (29 CFR 1910.1200).

Physical hazards.....Corrosive to metals - Category 1 Health hazardsSkin corrosion/irritation - Category 1 Serious eye damage/eye irritation - Category 1 Environmental hazards....Not classified. WHMIS 2015 defined hazards: Not classified.

GHS label elements: Hazard pictograms



Signal word......Danger

Hazard statements.......May be corrosive to metals. Causes severe skin burns and eye damage. Precautionary statements:

Prevention	Keep only in original packaging. Do not breathe mist or vapor. Wash
	thoroughly after handling. Wear protective gloves, protective clothing,
	eye protection and face protection.
Response	Absorb spillage to prevent material-damage.
•	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or
	hair): Take off immediately all contaminated clothing. Rinse skin with
	water or shower. Wash contaminated clothing before reuse.

	IF INHALED: Rer	move person to fresh air and keep comfortable for
	breathing. Imm	ediately call a POISON CENTER or doctor. Specific
	treatment (see	information on this label).
	IF IN EYES: Rins	se cautiously with water for several minutes. Remove
	contact lenses,	if present and easy to do. Continue rinsing.
Storage	Store in a corrosi	on resistant container with a resistant inner liner. Store
	locked up.	
Disposal	Dispose of contai	iner in accordance with local, regional and national
	regulations.	
WHMIS 2015: Health	Hazard(s) not otherwise	e classified (HHNOC): None known.
WHMIS 2015: Physica	al Hazard(s) not otherwi	se classified (PHNOC): None known.
Hazard(s) not otherwis	se classified (HNOC): N	None known.
Supplemental informa	tion: None.	

Section 3. Composition/information on ingredients

WIXUIE			
Chemical name	Common name and synonyms	CAS number	%
1,2-Propanediol		57-55-6	1 - 5*
Oxalic acid		144-62-7	5 - 10*

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments: US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First aid measures

Mixture

- Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.
- Skin contact: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. Specific treatment (see information on this label).
- Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
- Ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.
- Most important symptoms/effects, acute and delayed: Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
- Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
- General information: Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Wear rubber gloves and chemical splash goggles. Keep out of reach of children.

Section 5. Fire-fighting measures

Suitable extinguishing media: Dry chemical. Water spray. Foam. Carbon dioxide.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire. Specific hazards arising from the chemical: Firefighters should wear a self-contained breathing

- apparatus.
- Special protective equipment and precautions for firefighters: Firefighters should wear full protective clothing including self-contained breathing apparatus.
- Fire-fighting equipment/instructions: Move containers from fire area if you can do so without risk. Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.
- Hazardous combustion products: May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Hydrogen fluoride.

Section 6. Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
- Methods and materials for containment and cleaning up: Should not be released into the environment. Large Spills: Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb spillage to prevent material damage. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water . Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
- Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Prevent entry into waterways, sewers, basements or confined areas.

Section 7. Handling and storage

- Precautions for safe handling: DANGER -- CORROSIVE. Use only with adequate ventilation. Do not taste or swallow. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use good industrial hygiene practices in handling this material. Do not get in eyes, on skin or on clothing. Avoid breathing vapors or mists of this product.
- Conditions for safe storage, including any incompatibilities: Store locked up. Store in a closed container away from incompatible materials. Keep only in the original container. Store in a cool, dry place out of direct sunlight. Store in a corrosion resistant container with a resistant inner liner.

Section 8. Exposure controls/personal protection

Occupational	l exposure	limits
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Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)					
Components Type Value					
Oxalic acid (CAS 144-62-7)	STEL	2 mg/m3			
	TWA	1 mg/m3			

Components	Туре	Value	
Oxalic acid (CAS 144-62-7)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Canada. Manitoba OELs (Reg. 217/2006. The Workplace	Safety And Health Act)	
Components	Туре	Value	
Oxalic acid (CAS 144-62-7)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Canada Ontario OELS (0	control of Exposure to Biologic	cal or Chemical Agents)	
Components	Туре	Value	Form
1,2-Propanediol (CAS 57-55-6)	TWA	155 mg/m3	Vapor and aerosol.
		10 mg/m3	Aerosol.
		50 ppm	Vapor and aerosol.
Oxalic acid (CAS 144-62-7)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Canada. Quebec OELs. (N Components	/linistry of Labor - Regulation I Type	Respecting the Quality of the Work Value	Environment)
Oxalic acid (CAS 144-62-7)	STEL	2 mg/m3	
	TWA	1 mg/m3	
US. OSHA Table Z-1 Limit	ts for Air Contaminants (29 CF	R 1910.1000) Value	
Ovalic acid (CAS 111-62-7)		1 mg/m3	
		i nightio	
US. ACGIH Threshold Lin Components	nit Values Type	Value	
Ovalic acid (CAS 144-62-7)	STEL	2 mg/m3	
		1 mg/m3	
		i nighto	
US. NIOSH: Pocket Guide	to Chemical Hazards	Value	
	J SIEL	2 mg/m3	
	IVVA	T mg/m3	
US. AIHA Workplace Envi	ronmental Exposure Level (W	EEL) Guides Value	Form
1.2 Propagodial (CAS			Aerosol
57-55-6)		io ing/ino	Aerosol.
ogical limit values	No biological exposure limit	s noted for the ingredient(s).	
osure guidelines			
Canada - Manitoba OELs:	Skin designation		
Canada - Ontario OELs: S	5 7064-39-3) Skin designation	Can be absorbed through the skin	
Hydrogen fluoride (CAS	S 7664-39-3) it Values: Skin designation	Can be absorbed through the skin	
Hydrogen fluoride (CA	S 7664-39-3)	Can be absorbed through the skin	
ropriate engineering	Good general ventilation (typ	pically 10 air changes per hour) should	l be used. Ventilation rates

or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield.	
Skin protection		
Hand protection	Rubber gloves. Confirm with a reputable supplier first.	
Other	As required by employer code. Rubber apron recommended.	
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).	
Thermal hazards	Not applicable.	
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash hands before breaks and immediately after handling the product. When using do not eat or drink.	

Section 9. Physical and chemical properties

Appearance	Clear
Physical state	Liquid.
Form	Liquid.
Color	Colorless
Odor	Lime.
Odor threshold	Not available.
pН	< 1
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or expl	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.025
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Section 10. Stability and reactivity

Reactivity: Reacts violently with alkaline material. This product may react with reducing agents. Possibility of hazardous reactions: Hazardous polymerization does not occur.

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Reacts violently with strong alkaline substances. This product may react with reducing agents.

Incompatible materials: Acids. Caustics. Oxidizers. Reducing agents. Metals.

Hazardous decomposition products: May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Hydrogen fluoride.

Section 11. Toxicological information

Routes of exposure: Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion: Causes digestive tract burns.

Inhalation: Prolonged inhalation may be harmful. May cause irritation to the respiratory system.

Skin contact: Causes severe skin burns.

Eye contact: Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics: Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity: Causes severe skin burns and eye damage.

Components	Species	Test Results
1,2-Propanediol (CAS 57-5	5-6)	
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
		20800 mg/kg, Millipore
Inhalation		
LC50	Rabbit	> 317042 mg/m3, 2 Hours, ECHA
Oral		
LD50	Dog	19 g/kg, HSDB
	Guinea pig	19700 mg/kg, ECHA
		18.4 g/kg, HSDB
	Mouse	24900 mg/kg, ECHA
		23900 mg/kg, HSDB
		23.9 g/kg, HSDB
	Rabbit	22.8 g/kg, CCOHS
		18 g/kg, HSDB
	Rat	19.4 - 36 g/kg, Millipore
		22000 mg/kg, ECHA
		21 g/kg, CCOHS

Oxalic acid (CAS 144-62-7)		
Acute		
Dermal		20000 mg/kg. European Agency for the Evaluation of
LD50	Rabbit	Medicinal Products
Oral		
LD50	Rat	375 mg/kg. Toxicology and Applied Pharmacology
		9.5 ml/kg, ECHA
		7.5 ml/kg, ECHA
		1.1 ml/100g, ECHA
Skin corrosion/irritation	Causes severe skin burns and	eye damage.
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye	Causes serious eye damage.	
irritation		
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization	I	
Canada - Alberta OELs: Irrita	ant	
Oxalic acid (CAS 144-62-	7)	Irritant
Respiratory sensitization	Not available.	
Skin sensitization	This product is not expected to	cause skin sensitization.
Mutagenicity	Non-hazardous by WHMIS/OS	HA criteria.
Carcinogenicity	Not classified or listed by IARC	C, NTP, OSHA and ACGIH.
IARC Monographs. Overall E	Evaluation of Carcinogenicity	
Hydrogen fluoride (CAS 7	664-39-3)	Volume 27, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.
US. OSHA Specifically Regu Not listed.	lated Substances (29 CFR 191	0.1001-1050)
Reproductive toxicity	Non-hazardous by WHMIS/OS	HA criteria.
Teratogenicity	Non-hazardous by WHMIS/OS	HA criteria.
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not available.	
Chronic effects	Prolonged inhalation may be h	armful.

Section 12. Ecological information

Ecotoxicity: Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Ecotoxicological data

Compo	onents		Species	Test Results
1,2-Prop	anediol (CAS 57-55-6)			
	Crustacea	EC50	Daphnia	10000 mg/L, 48 Hours
	Aquatic			
	Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/L, 48 hours
	Fish	LC50	Fathead minnow (Pimephales promelas)	710 mg/L, 96 hours
Oxalic ad	cid (CAS 144-62-7)			
	Crustacea	EC50	Daphnia	137.5 mg/L, 48 Hours
	Aquatic			
	Crustacea	EC50	Water flea (Daphnia magna)	125 - 150 mg/L, 48 hours
Persistence and degradability No data is ava		No data is avai	lable on the degradability of this product.	
Bioaccu	mulative potential	No data available.		
Mobility	in soil	No data available.		
Mobility	in general	Not available.		
Other ac	lverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creatio potential, endocrine disruption, global warming potential) are expected from this component		etion, photochemical ozone creation are expected from this component.

Section 13. Disposal considerations

Disposal instructions: Review federal, state/provincial, and local government requirements prior to disposal. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

Local disposal regulations: Dispose in accordance with all applicable regulations.

- Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
- Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14. Transport information

Transport of Dangerous Goods (TDG) Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

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basic snipping requirement	.5.
UN number	UN1760
Proper shipping name	Corrosive liquids, n.o.s.
Technical name	Oxalic acid
Hazard class	8
Subsidiary hazard class	Limited Quantity - US
Packing group	III
Special provisions	IB3, T7, TP1, TP28
Packaging exceptions	<1.3 Gallons - Limited Quantity
Packaging non bulk	203
Packaging bulk	241



DOT



Section 15. Regulatory information

This product has been classified in accordance with the hazard criteria of the HPR and the SDS **Canadian federal regulations** contains all the information required by the HPR. Canada CEPA Schedule I: Listed substance Hydrofluorosilicic acid (CAS 16961-83-4) Listed. Hydrogen fluoride (CAS 7664-39-3) Listed. Export Control List (CEPA 1999, Schedule 3) Not listed. **Greenhouse Gases** Not listed. **Precursor Control Regulations** Not regulated. WHMIS 2015 Exemptions Not applicable This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication **US** federal regulations Standard, 29 CFR 1910,1200. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Oxalic acid (CAS 144-62-7) 1.0 % One-Time Export Notification only. CERCLA Hazardous Substance List (40 CFR 302.4) Hydrogen fluoride (CAS 7664-39-3) Listed. US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity Hydrogen fluoride (CAS 7664-39-3) 100 LBS US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed. Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely hazardous substance	No	
SARA 311/312 Hazardous chemical	No	
SARA 313 (TRI reporting) Not regulated.		
Other federal regulations		
Clean Air Act (CAA) Section	112 Hazardous Air Pollutants	(HAPs) List
Hydrogen fluoride (CAS 7 Clean Air Act (CAA) Section	664-39-3) 112(r) Accidental Release Pre	vention (40 CFR 68.130)
Hydrogen fluoride (CAS 7	664-39-3)	
Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)	Hazardous substance	
US state regulations		
US - California Hazardous Su	ubstances (Director's): Listed	substance
Hydrofluorosilicic acid (CA	S 16961-83-4)	Listed.
Hydrogen fluoride (CAS 7	664-39-3)	Listed.
Uxalic acid (CAS 144-62-	/) Act: Listed substance	Listed.
Hydrogen fluoride (CAS 7	664-39-3)	
US - Louisiana Spill Reportir	ng: Listed substance	
Hydrogen fluoride (CAS 7 US - Minnesota Haz Subs: Li	664-39-3) Isted substance	Listed.
1,2-Propanediol (CAS 57-	55-6)	Listed.
Hydrofluorosilicic acid (CA	NS 16961-83-4)	Listed.
Hydrogen fluoride (CAS 7	664-39-3) z	Listed.
US - New Jersey RTK - Subs	tances: Listed substance	
1,2-Propanediol (CAS 57-	55-6)	
Hydrofluorosilicic acid (CA	S 16961-83-4)	
Hydrogen fluoride (CAS 7	664-39-3) zv	
US - New York Release Repo	/) orting: Acutely Hazardous Sub	stances: Listed substance
Hydrogen fluoride (CAS 7	664-39-3)	Listed.
US - North Carolina Toxic Ai	r Pollutants: Listed substance	9
Hydrofluorosilicic acid (CA	NS 16961-83-4)	
Hydrogen fluoride (CAS /	664-39-3) n Lovels: Listed substance	
1 2-Propanediol (CAS 57-	55-6)	Listed
Alcohols, C9-11, ethoxyla	ted (CAS 68439-46-3)	Listed.
Hydrofluorosilicic acid (CA	S 16961-83-4)	Listed.
Hydrogen fluoride (CAS 7	664-39-3) z	Listed.
Oxalic acid (CAS 144-62-		Listed.
US. Massachusetts RTK - Si	ubstance List	
Hydrofluorosilicic acid (C/ Hydrogen fluoride (CAS 7	AS 16961-83-4) 7664-39-3)	
Oxalic acid (CAS 144-62-	7)	
US. New Jersey Worker and	Community Right-to-Know A	ct
Hydrogen fluoride (CAS 7	7664-39-3)	
US. Pennsylvania Worker ar	nd Community Right-to-Know	Law
1,2-Propanediol (CAS 57 Hydrofluorosilicic acid (C)	-55-6) AS 16961-83-11	
Hydrogen fluoride (CAS 7	(664-39-3)	
Oxalic acid (CAS 144-62-	7)	

US. Rhode Island RTK

1,2-Propanediol (CAS 57-55-6) Hydrogen fluoride (CAS 7664-39-3) Oxalic acid (CAS 144-62-7)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Inventory status

Country(s) or region	Inventory name On inv	/entory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Yes" indicates that all compor	nents of this product comply with the inventory requirements administered by the governing co	untry(s)

Section 16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0



Disclaimer

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, ACCO Unlimited Corporation makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, ACCO Unlimited Corporation will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either express or implied, or merchantability fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.

Revision Date 11/30/18