



ACID PACK

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

Revision Date: 10/6/2020

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	Acid Pack
Product Code	None

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Hydrochloric Acid Additive / Corrosion Inhibitor
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Uses Advised Against	None
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Company Identification	Cooper Natural Resources Energy Services Group 7755 Bellaire Drive South Fort Worth, TX 76132 (817) 244-9700
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Emergency Contact Information

Emergency Telephone Number	CHEMTREC 24 hr (800) 424-9300, (703) 527-3887 (Collect calls accepted)
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification

Health hazards

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Specific target organ toxicity - Repeated exposure	Category 2

Environmental hazards

Acute aquatic toxicity	Category 3
Chronic aquatic toxicity	Category 2

Label elements

Hazard Symbol



Signal Word(s)

DANGER



ACID PACK

Hazard Statement(s)

Toxic if swallowed.
Causes severe skin burns and eye damage.
May cause damage to organs through prolonged or repeated exposure: Kidneys.

Precautionary Statement(s)

Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands and exposed skin thoroughly after handling. Do not breathe mist/vapours/spray.
Do not eat, drink or smoke when using this product.
IF SWALLOWED: Rinse mouth. Do not give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention. Wash contaminated clothing before reuse.
Keep out of reach of children.

Other hazards

Toxic to aquatic life with long lasting effects

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	% wt.	CAS No.
Proprietary Blend *	> 60	Trade Secret
Ethylene Glycol	30	107-21-1

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

Additional Information - * Contains: xylenesulfonic acid and/or sulfuric acid which are incidentally formed upon unintended reaction of two ingredients.

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Not normally required. If symptoms occur obtain medical attention.

Skin Contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention. Wash contaminated clothing before reuse

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Ingestion

Do not give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage

Indication of any immediate medical attention and special treatment needed

None known.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.
None known.

Special hazards arising from the substance or mixture

None known.

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear protective gloves/eye protection.

Environmental precautions

Avoid release to the environment.

Methods and material for containment and cleaning up

Follow the Spill clean up guidelines as suggested in the Hazardous and non-hazardous waste regulations. Transfer to a container for disposal or recovery.

Reference to other sections

None

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

- Storage temperature
- Incompatible materials

Store at room temperature.
Strong oxidising agents.

Specific end use(s)

Acid Additive / Corrosion Inhibitor

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		STEL		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Ethylene Glycol	107-21-1	-----	25 ppm ^(V)	-----	50 ppm ^(V) 10 mg/m ³ ^(L, H)	-----

^(V)vapor only; ^(I)Inhalable particulate matter; ^(H)Aerosol only.

Recommended monitoring method

NIOSH 5523 (Glycols)

Exposure controls

Appropriate engineering controls

Not normally required.

Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Wear suitable gloves if prolonged skin contact is likely (Neoprene or Butyl rubber). Check with protective equipment manufacturer's data.



Respiratory protection

Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Check with protective equipment manufacturer's data.



Environmental Exposure Controls

None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid.
Color.	Clear Dark Brown
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	< 2
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	>212 F
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Explosive Limit Ranges	Not applicable
Vapour pressure (Pascal)	Not available
Vapour Density (Air=1)	Not applicable
Density (g/ml)	1.10 (9.2 lbs/gal)
Solubility (Water)	Miscible
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not applicable



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Decomposition Temperature (°C)
Kinematic Viscosity (cSt)
Explosive properties
Oxidizing properties

Not available
<20
Not explosive.
Not oxidizing.

Other information

None

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Incompatible materials
Incompatible materials	Strong oxidising agents.
Hazardous decomposition product(s)	None known

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Acute toxicity (estimated / calculated)	Oral: LD50 = 167 mg/kg-bw
Irritation/Corrosivity	Causes severe skin burns and eye damage
Sensitization	May cause allergic skin reaction
Repeated dose toxicity	May cause damage to organs through prolonged or repeated exposure: Kidneys
Carcinogenicity	No data.

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Mutagenicity	Not to be expected
Reproductive toxicity	Not to be expected

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity (estimated / calculated)

Short term	LL50 (48 hour): < 50 mg/l (Fish) LL50 (48 hour): < 10 mg/L (Aquatic Invertebrates) EL50 (48 hour): < 2 mg/l (Aquatic Plants)
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Long Term	Not available.
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Persistence and degradability	Not available.
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
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ACID PACK

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	UN 2922	UN 2922	UN 2922
Proper Shipping Name	Corrosive liquids, toxic, n.o.s (Quaternary ammonium compounds)		
Transport hazard class(es)	8	8	8
Packing group	III	III	III
Environmental hazards	Marine Pollutant	Marine Pollutant	Marine Pollutant
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All substances listed and active, or exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Ethylene Glycol	107-21-1	4	5,000

SARA 311/312 - Hazard Categories: See SECTION 2 - HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Ethylene Glycol	107-21-1	4

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
Ethylene Glycol (ingestion only)	107-21-1	Developmental

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: March 10, 2020



NFPA (National Fire Protection Association)

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