HALLIBURTON

SAFETY DATA SHEET

Product Trade Name:
BASO 4 LVENT

Revision Date:
22-May-2020

Revision Number:
20

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Trade Name:
BASO 4 LVENT
Synonyms
None
Chemical Family
Blend
Internal ID Code
HM000107

Recommended use and restrictions on use
Application
Scale Remover
Uses advised against
No information available

Manufacturer's Name and Contact Details
Manufacturer/Supplier
Halliburton Energy Services
14th Floor, CitiBank Tower, Al-Qutayat Street
Dubai, UAE
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Additional Information

Prepared By
Chemical Stewardship
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Emergency Telephone Number
1-760-476-3959
Global Incident Response Access Code: 334305
Contract Number: 14012

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion / Irritation	Category 1 - H314
Serious Eye Damage / Eye Irritation	Category 1 - H318
Reproductive Toxicity	Category 2 - H361
Specific Target Organ Toxicity - (Single Exposure)	Category 3 - H335

Hazard Pictograms

Signal Word
Danger

Hazard Statements
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H361 - Suspected of damaging fertility or the unborn child

Precautionary Statements

Prevention
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing/eye protection/face protection
Response
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 person to fresh air and keep comfortable for breathing.
P310 - Immediately call a POISON CENTER or doctor/physician
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308 + P313 - IF exposed or concerned: Get medical advice/attention
Storage
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
Disposal
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

Contains

Substances	**CAS Number**
Aminopolycarboxylic acid	Proprietary
Oxalic acid salt	Proprietary
Potassium hydroxide	1310-58-3

Additional Information
None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	CAS Number	PERCENT (w/w)	GHS Classification
Aminopolycarboxylic acid	Proprietary	10 - 30%	Acute Tox. 4 (H332) Eye Irrit. 2A (H319) Repr. 2 (H361) STOT SE 3 (H335)
Oxalic acid salt	Proprietary	5 - 10 %	Acute Tox. 4 (H302) STOT SE 2 (H371)
Potassium hydroxide	1310-58-3	0.1 - 1%	Acute Tox. 4 (H302)

			Skin Corr. 1 (H314) Eye Corr. 1 (H318) STOT SE 3 (H335) Met. Corr. 1 (H290)

4. FIRST AID MEASURES

First-aid Measures

Inhalation

If inhaled, move victim to fresh air and seek medical attention.

Skin

In case of contact, immediately flush skin with plenty of soap and water for at least 30 minutes and remove contaminated clothing, shoes and leather goods immediately. Get medical attention immediately.

Eyes

Immediately flush eyes with large amounts of water for at least 30 minutes. Seek prompt medical attention.

Ingestion

Do NOT induce vomiting. Give nothing by mouth. Obtain immediate medical attention.

Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage. May cause respiratory irritation. Potential reproductive hazard. May cause birth defects. Causes severe skin irritation with tissue destruction. Causes severe eye irritation which may damage tissue. May cause damage to internal organs.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Not Applicable

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons

None known.

Specific hazards arising from the chemical

Use water spray to cool fire exposed surfaces. Closed containers may explode in fire. Decomposition in fire may produce harmful gases.

Special protective actions for fire-fighters

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment. Wear self-contained breathing apparatus in enclosed areas.

Environmental Precautions

Prevent from entering sewers, waterways, or low areas.

Methods and material for containment and cleaning up

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Neutralize to pH of 6-8. Scoop up and remove.

Additional Information

See Section 8 and 13 for additional information.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities
Store away from oxidizers. Store away from acids. Store in a cool well ventilated area. Keep from heat, sparks, and open flames. Keep container closed when not in use. Product has a shelf life of 24 months.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Exposure Limits

Substances	CAS Number	United Arab Emirates	Bahrain	Kuwait	Gulf Cooperation Council
Potassium hydroxide	1310-58-3	Not applicable	Not applicable	TWA: 2.0 mg/m³ STEL: 2.0 mg/m³	Not applicable

Appropriate engineering controls
Use in a well ventilated area.

Individual protection measures, such as personal protective equipment
If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.
Respiratory Protection
If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH certified, European Standard EN 149, AS/NZS 1715:2009, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional. Organic vapor respirator with a dust/mist filter. (A2P2/P3)
Hand Protection
Impervious rubber gloves. Nitrile gloves. Neoprene gloves.
Skin Protection
Rubber apron.
Eye Protection
Chemical goggles; also wear a face shield if splashing hazard exists.
Other Precautions
None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:
Liquid
Color
Clear colorless to pale yellow
Odor:
Odorless
Odor Threshold:
No information available
pH:
12-13 (5%)
Specific Gravity
1.197
Freezing Point/Range (°C):
-4
Pour Point/Range (C):
No information available
Boiling Point/Range (C):
No information available
Flash Point/Range (°C):

No information available
Flash Point Method:
TCC
Flammability Limits in Air - Lower (%):
No information available
Flammability Limits in Air - Upper (%):
No information available
Autoignition Temperature (°C):
No information available
Evaporation Rate (Butyl Acetate=1):
No information available
Vapor Pressure @ 20 C (mmHg):
17.8
Vapor Density (Air=1):
> 1
Water Solubility
Soluble in water
Decomposition Temperature (C):
No information available
Viscosity, Dynamic @ 20 C (centipoise):
< 50
Viscosity, Kinematic @ 20 C (centistokes):
No information available
Partition Coefficient/n-Octanol/Water:
No information available
Molecular Weight (g/mole):
No information available

10. STABILITY AND REACTIVITY

Reactivity
Not expected to be reactive.

Chemical Stability
Stable

Possibility of hazardous reactions
Will Not Occur

Conditions to Avoid
Keep away from heat, sparks and flame.

Incompatible materials
Strong oxidizers. Strong acids.

Hazardous decomposition products
Oxides of nitrogen. Carbon monoxide and carbon dioxide.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects
Acute Toxicity
Inhalation
Causes moderate respiratory irritation.
Eye Contact

Causes severe eye irritation which may damage tissue.

Skin Contact

Causes severe skin irritation with tissue destruction.

Ingestion

Irritation of the mouth, throat, and stomach. May cause kidney damage.

Chronic Effects/Carcinogenicity

Suspected of damaging fertility or the unborn child.

Toxicology data for the components

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Aminopolycarboxylic acid	Proprietary	>5000 mg/kg (Rat) (similar substance)	>2000 mg/kg (Rat) (similar substance)	1 - 5 mg/L (Rat) 4h (similar substance)
Oxalic acid salt	Proprietary	1080 mg/kg (Rat) (similar substance)	> 2504 mg/kg (Rabbit) (similar substance)	No data available
Potassium hydroxide	1310-58-3	333 mg/kg (Rat)	No data available	No data available

Substances	CAS Number	Skin corrosion/irritation
Aminopolycarboxylic acid		Not irritating to skin in rabbits. (similar substances)
Oxalic acid salt		Not irritating to skin in rabbits. (similar substances)
Potassium hydroxide	1310-58-3	Corrosive to skin (Rabbit)

Substances	CAS Number	Serious eye damage/irritation
Aminopolycarboxylic acid		Eye, rabbit: Causes moderate eye irritation (similar substances)
Oxalic acid salt		No data of sufficient quality are available.
Potassium hydroxide	1310-58-3	Corrosive to eyes (Rabbit)

Substances	CAS Number	Skin Sensitization
Aminopolycarboxylic acid		Did not cause sensitization on laboratory animals (similar substances)
Oxalic acid salt		Did not cause sensitization on laboratory animals (mouse) (similar substances)
Potassium hydroxide	1310-58-3	Did not cause sensitization on laboratory animals (guinea pig)

Substances	CAS Number	Respiratory Sensitization
Aminopolycarboxylic acid		No information available
Oxalic acid salt		No information available
Potassium hydroxide	1310-58-3	No information available

Substances	CAS Number	Mutagenic Effects
Aminopolycarboxylic acid		In vivo tests did not show mutagenic effects. (similar substances)
Oxalic acid salt		In vitro tests did not show mutagenic effects. (similar substances)
Potassium hydroxide	1310-58-3	Not regarded as mutagenic.

Substances	CAS Number	Carcinogenic Effects
Aminopolycarboxylic acid		Did not show carcinogenic effects in animal experiments (similar substances)
Oxalic acid salt		No information available
Potassium hydroxide	1310-58-3	No data of sufficient quality are available.

Substances	CAS Number	Reproductive toxicity
Aminopolycarboxylic acid		May cause birth defects (similar substances)
Oxalic acid salt		No data of sufficient quality are available. (similar substances)
Potassium hydroxide	1310-58-3	Not applicable due to corrosivity of the substance.

Substances	CAS Number	STOT - single exposure
Aminopolycarboxylic acid		May cause respiratory irritation. (similar substances)
Oxalic acid salt		May cause disorder and damage to the Kidney (similar substances)
Potassium hydroxide	1310-58-3	May cause respiratory irritation.

Substances	CAS Number	STOT - repeated exposure

Aminopolycarboxylic acid		No significant toxicity observed in animal studies at concentration requiring classification. (similar substances)
Oxalic acid salt		No data of sufficient quality are available. (similar substances)
Potassium hydroxide	1310-58-3	Not applicable due to corrosivity of the substance.

Substances	CAS Number	Aspiration hazard
Aminopolycarboxylic acid		Not applicable
Oxalic acid salt		Not applicable
Potassium hydroxide	1310-58-3	Not applicable

12. ECOLOGICAL INFORMATION

Toxicity

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Aminopolycarboxylic acid	Proprietary	NOEC (23d) 400 mg/L (Scenedesmus quadricauda) (similar substance)	LC50 (96h) 960 mg/L (Lepomis macrochirus) (similar substance) NOEC (28d) 100 mg/L (Melanotaenia fluviatilis)	No information available	EC50 (48h) 890 mg/L (Daphnia magna) (similar substance) NOEC (18d) 67 mg/L (Daphnia carinata)
Oxalic acid salt	Proprietary	Toxicity Threshold (8d) 80 mg/L (Microcystis aeruginosa) (similar substance)	No information available	No information available	No information available
Potassium hydroxide	1310-58-3	No information available	NOEC (24h) 28 mg/L (Lepomis macrochirus)	No information available	EC100 (48h) > 10 mg/L (Dreissena polymorpha)(similar substance)

Persistence and degradability

Substances	CAS Number	Persistence and Degradability
Aminopolycarboxylic acid	Proprietary	Persistent (0% @ 28d)
Oxalic acid salt	Proprietary	Readily biodegradable (89% @ 20d)
Potassium hydroxide	1310-58-3	The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumlation potential

Substances	CAS Number	Bioaccumulation
Aminopolycarboxylic acid	Proprietary	Log Kow = -4.9058
Oxalic acid salt	Proprietary	No information available
Potassium hydroxide	1310-58-3	Not Bioaccumulative

Mobility in soil

Substances	CAS Number	Mobility
Aminopolycarboxylic acid	Proprietary	No information available
Oxalic acid salt	Proprietary	No information available
Potassium hydroxide	1310-58-3	No information available

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

Disposal should be made in accordance with federal, state, and local regulations.

Contaminated Packaging

Follow all applicable national or local regulations.

Other Information
No information available

14. TRANSPORT INFORMATION

UN Number
UN3266

UN proper shipping name:
Corrosive Liquid, Basic, Inorganic, N.O.S.
(Contains Potassium Oxalate, Potassium Hydroxide)

Transport Hazard Class(es):
8

Packing Group:
II

Environmental Hazards:
Not applicable

Special Precautions for User
None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION

Regulatory Information:
This SDS was prepared in accordance with United Nations "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" and its revisions.

16. OTHER INFORMATION

Key literature references and sources for data
www.ChemADVISOR.com/

Revision Date:
22-May-2020
Revision Note
SECTION:
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End of Safety Data Sheet