

SAFETY DATA SHEET

Product Trade Name:
CARBOPOL-940

Revision Date:
03-Oct-2018

Revision Number:
10

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

Product Identifier

Product Trade Name:
CARBOPOL-940

Synonyms

None

Chemical Family

Polymer

Internal ID Code

HM000153

Recommended use and restrictions on use

Application

Calibration material

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

Telephone Number : +971 43036666

Additional Information

Prepared By

Chemical Stewardship

Telephone: 1-281-871-6107

e-mail: fdunexchem@halliburton.com

Emergency Telephone Number

1-760-476-3959

Global Incident Response Access Code: 334305

Contract Number: 14012

2. HAZARDS IDENTIFICATION

Classification

Germ Cell Mutagenicity	Category 1A - H340
Carcinogenicity	Category 1A - H350

Hazard Pictograms



Signal Word
Danger

Hazard Statements

H340 - May cause genetic defects
H350 - May cause cancer

Precautionary Statements

Prevention

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response

P308 + P313 - IF exposed or concerned: Get medical advice/attention

Storage

P405 - Store locked up

Disposal

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

Contains

Substances
Benzene

CAS Number
71-43-2

Additional Information

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	CAS Number	PERCENT (w/w)	GHS Classification
Benzene	71-43-2	0.1 - 1%	Flam. Liq. 2 (H225) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Germ Cell Mut. 1 (H340) Carcin. 1A (H350) STOT RE 1 (H372) Asp. Tox. 1 (H304) Aquatic Acute 2 (H401)

4. FIRST AID MEASURES

First-aid Measures

Inhalation

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Skin

Wash with soap and water. Get medical attention if irritation persists.

Eyes

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Ingestion

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

Most important symptoms and effects, both acute and delayed

May cause heritable genetic damage. Carcinogen.

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

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. Avoid creating and breathing dust.

Environmental Precautions

Prevent from entering sewers, waterways, or low areas.

Methods and material for containment and cleaning up

Scoop up and remove.

Additional Information

See Section 8 and 13 for additional information.

7. HANDLING AND STORAGE**Precautions for safe handling**

Avoid creating or inhaling dust.

Conditions for safe storage, including any incompatibilities

Store away from alkalis. Store in a cool, dry location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Limits**

Substances	CAS Number	United Arab Emirates	Bahrain	Kuwait	Gulf Cooperation Council
Benzene	71-43-2	TWA: 1 ppm TWA: 3 mg/m ³ STEL: 5 ppm STEL: 16 mg/m ³	TWA: 1 ppm TWA: 3 mg/m ³ STEL: 5 ppm STEL: 16 mg/m ³	TWA: 0.1 ppm STEL: 1.0 ppm	TWA: 1 ppm TWA: 3 mg/m ³ STEL: 5 ppm STEL: 16 mg/m ³

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.

Dust/mist respirator. (N95, P2/P3)

Hand Protection

Normal work gloves.

Skin Protection

Normal work coveralls.

Eye Protection

Wear safety glasses or goggles to protect against exposure.

Other Precautions

None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Solid

Color

White

Odor:

Mild acidic

Odor Threshold:

No information available

pH:

3

Specific Gravity: 1.41**Freezing Point/Range (°C):**

No information available

Pour Point/Range (C)::

No information available

Boiling Point/Range (C):

No information available

Flash Point/Range (°C):

No information available

Flash Point Method:

Not determined

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):

No information available

Vapor Density (Air=1):

No information available

Water Solubility

Partly soluble

Decomposition Temperature (C):

No information available

Viscosity, Dynamic @ 20 C (centipoise):

No information available

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

Avoid contact with alkalis.

Incompatible materials

Strong alkalis.

Hazardous decomposition products

Toxic fumes. Fumes of aromatic hydrocarbons. Carbon monoxide and carbon dioxide.

Additional Guidelines

Not Applicable

11. TOXICOLOGICAL INFORMATION**Information on Toxicological Effects****Acute Toxicity****Inhalation**

May cause respiratory irritation.

Eye Contact

May cause mild eye irritation.

Skin Contact

May cause mild skin irritation.

Ingestion

May be harmful if swallowed.

Chronic Effects/Carcinogenicity

Contains a small amount of benzene, a human carcinogen, repeat overexposures may result in bone marrow depression possibly leading to leukemia. May cause heritable genetic damage.

Toxicology data for the components

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Benzene	71-43-2	1800 mg/kg (Rat) 5970 mg/kg (Rat)	> 8260 mg/kg (Guinea pig)	43.77 mg/L (Rat) 4h

Substances	CAS Number	Skin corrosion/irritation
Benzene	71-43-2	Skin, rabbit: Causes moderate skin irritation.

Substances	CAS Number	Serious eye damage/irritation
Benzene	71-43-2	Eye, rabbit: Causes moderate eye irritation

Substances	CAS Number	Skin Sensitization
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Benzene	71-43-2	Did not cause sensitization on humans or laboratory animals.
Substances	CAS Number	Respiratory Sensitization
Benzene	71-43-2	No data of sufficient quality are available.
Substances	CAS Number	Mutagenic Effects
Benzene	71-43-2	Some in vitro tests have shown mutagenic effects. Some in vivo tests have shown mutagenic effects.
Substances	CAS Number	Carcinogenic Effects
Benzene	71-43-2	This substance is a carcinogen.
Substances	CAS Number	Reproductive toxicity
Benzene	71-43-2	Adverse developmental effects were only observed at maternally toxic doses.
Substances	CAS Number	STOT - single exposure
Benzene	71-43-2	No significant toxicity observed in animal studies at concentration requiring classification.
Substances	CAS Number	STOT - repeated exposure
Benzene	71-43-2	Causes damage to organs through prolonged or repeated exposure: (Blood)
Substances	CAS Number	Aspiration hazard
Benzene	71-43-2	Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

12. ECOLOGICAL INFORMATION

Toxicity

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Benzene	71-43-2	LC50 (72h) 100 mg/L (Pseudokirchnerella subcapitata)	LC50 (96h) 5.3 mg/L (Oncorhynchus mykiss)	No information available	LC50 (48h) 10 mg/L (Daphnia magna)

Persistence and degradability

Substances	CAS Number	Persistence and Degradability
Benzene	71-43-2	(102% @ 28d)

Bioaccumulation potential

Substances	CAS Number	Bioaccumulation
Benzene	71-43-2	Log Kow = 2.13

Mobility in soil

Substances	CAS Number	Mobility
Benzene	71-43-2	KOC = >13

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
Not restricted

UN proper shipping name:
Not restricted

Transport Hazard Class(es):
Not applicable

Packing Group:
Not applicable

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/
ECHA C&L
OSHA

Revision Date:
03-Oct-2018

Revision Note
SDS sections updated:
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End of Safety Data Sheet