

SAFETY DATA SHEET

Product Trade Name: MC MX 6-2640

Revision Date: 09-Dec-2021

Revision Number: 4

1. Identification

1.1. Product Identifier

Product Trade Name: MC MX 6-2640
Synonyms: None
Chemical Family: Blend
Internal ID Code: MC001958

1.2 Recommended use and restrictions on use

Application: Corrosion Inhibitor
Uses advised against: Consumer use

1.3 Manufacturer's Name and Contact Details

Manufacturer/Supplier

Multi-Chem Group LLC
 A Halliburton Energy Services, Inc. Company
 3000 N. Sam Houston Pkwy E., Houston, TX 77032
 Phone: 1-281-871-4000

Halliburton Group Canada
 645 - 7th Ave SW Suite 1800
 Calgary, AB, T2P 4G8, Canada
 Telephone: 1-403-231-9300

Prepared By: Chemical Stewardship
 e-mail: fdunexchem@halliburton.com

1.4. Emergency telephone number:

Emergency Telephone Number: 1-866-519-4752 or 1-760-476-3962 (accessible 24 hours a day / 7 days a week)
 Global Incident Response Access Code: 334305
 Contract Number: 14012

2. Hazards Identification

2.1 Classification in accordance with paragraph (d) of §1910.1200

Aspiration Toxicity	Category 1 - H304
Acute Oral Toxicity	Category 4 - H302
Skin Corrosion / Irritation	Category 1 - H314
Serious Eye Damage/Irritation	Category 1 - H318
Germ Cell Mutagenicity	Category 1B - H340
Carcinogenicity	Category 1B - H350
Specific Target Organ Toxicity - (Single Exposure)	Category 1 - H370 + H336

Specific Target Organ Toxicity - (Repeated Exposure)	Category 1 - H372
Acute Aquatic Toxicity	Category 2 - H401
Chronic Aquatic Toxicity	Category 3 - H412
Flammable liquids.	Category 3 - H226

2.2. Label Elements

Hazard Pictograms



Signal Word:

Danger

Hazard Statements

H226 - Flammable liquid and vapor
 H302 - Harmful if swallowed
 H304 - May be fatal if swallowed and enters airways
 H314 - Causes severe skin burns and eye damage
 H318 - Causes serious eye damage
 H336 - May cause drowsiness or dizziness
 H340 - May cause genetic defects
 H350 - May cause cancer
 H370 - Causes damage to organs
 H372 - Causes damage to organs through prolonged or repeated exposure
 H401 - Toxic to aquatic life
 H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention

P201 - Obtain special instructions before use
 P202 - Do not handle until all safety precautions have been read and understood
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 - Keep container tightly closed
 P240 - Ground and bond container and receiving equipment.
 P241 - Use explosion-proof electrical/ventilating/lighting/equipment
 P242 - Use only non-sparking tools
 P243 - Take action to prevent static discharges.
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray
 P264 - Wash face, hands and any exposed skin thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P271 - Use only outdoors or in a well-ventilated area
 P273 - Avoid release to the environment
 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
Storage	P370 + P378 - In case of fire: Use CO2, dry chemical, or foam
	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
	P403 + P235 - Store in a well-ventilated place. Keep cool
	P405 - Store locked up
Disposal	P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 Hazards not otherwise classified

None known

3. Composition/information on Ingredients

Substances	CAS Number	PERCENT (w/w)	GHS Classification - US
Light aromatic solvent	64742-95-6	60 - 100%	Skin Irrit. 2 (H315) Muta. 1B (H340) Carc. 1B (H350) STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Acute 2 (H401) Aquatic Chronic 3 (H412) Flam. Liq. 3 (H226)
1,2,4 Trimethylbenzene	95-63-6	10 - 30%	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) STOT RE 1 (H372) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	5 - 10%	Skin Corr. 1C (H314) Eye Corr. 1 (H318) STOT SE 3 (H335)
Methanol	67-56-1	1 - 5%	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)
Xylene	1330-20-7	1 - 5%	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) Asp. Tox. 1 (H304) Aquatic Acute 2 (H401) Flam. Liq. 3 (H226)

The exact percentage (concentration) of the composition has been withheld as proprietary.

The exact percentage (concentration) of the composition has been withheld as proprietary.

4. First Aid Measures**4.1. Description of first aid measures****Inhalation**

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

Eyes	In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Seek immediate medical attention/advice. Suitable emergency eye wash facility should be immediately available
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.
Ingestion	Following ingestion, onset of symptoms may be delayed by 12 to 24 hours. Admission to hospital should be the first priority even if symptoms are absent. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

4.2 Most important symptoms/effects, acute and delayed

Causes severe eye irritation which may damage tissue. Causes severe skin irritation with tissue destruction. May cause headache, dizziness, and other central nervous system effects. May cause heritable genetic damage. Carcinogen. May cause damage to internal organs. May cause damage to organs through prolonged or repeated exposure. Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician Gastric lavage or emesis should be performed as soon as possible to minimize absorption, and is recommended within 4 hours of ingestion. Ethanol may be given intravenously to prevent build-up of toxic effects of methanol metabolites. Visual disturbances and metabolic acidosis may occur and dialysis, preferably hemodialysis may be employed to treat these complications.
Aspiration may cause severe lung damage. Evacuate stomach in a way which avoids aspiration.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons

Do NOT spray pool fires directly with water. A solid stream of water directed into hot burning liquid can cause splattering.

5.2 Specific hazards arising from the substance or mixture

Special exposure hazards in a fire

Decomposition in fire may produce harmful gases. Vapors are heavier than air and may accumulate in low areas. Vapors may travel along the ground to be ignited at distant locations.

5.3 Special protective equipment and precautions for fire-fighters

Special protective equipment for firefighters

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

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation. Use appropriate protective equipment. Remove sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. See Section 8 for additional information.

6.2. Environmental precautions

Prevent from entering sewers, waterways, or low areas.

6.3. Methods and material for containment and cleaning up

Remove ignition sources and work with non-sparking tools. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. Handling and storage**7.1. Precautions for safe handling****Handling Precautions**

Avoid contact with eyes, skin, or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation. Use appropriate protective equipment. Remove sources of ignition. Ground and bond containers when transferring from one container to another.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities**Storage Information**

Store in a cool well ventilated area. Store away from oxidizers. Keep from heat, sparks, and open flames. Keep container closed when not in use.

8. Exposure Controls/Personal Protection**8.1 Occupational Exposure Limits**

Substances	CAS Number	OSHA PEL-TWA	ACGIH TLV-TWA
Light aromatic solvent	64742-95-6	Not applicable	Not applicable
1,2,4 Trimethylbenzene	95-63-6	Not applicable	Not applicable
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	Not applicable	Not applicable
Methanol	67-56-1	TWA: 200 ppm TWA: 260 mg/m ³	TWA: 200 ppm STEL: 250 ppm
Xylene	1330-20-7	TWA: 100 ppm TWA: 435 mg/m ³	TWA: 100 ppm STEL: 150 ppm

8.2 Appropriate engineering controls**Engineering Controls**

Ensure adequate ventilation, especially in confined areas

8.3 Individual protection measures, such as personal protective equipment**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. Positive pressure self-contained breathing apparatus. Impervious gloves Manufacturer's directions for use should be observed because of great diversity of types.

Hand Protection**Skin Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron, rain jacket, pants or coverall, as appropriate, to prevent skin contact.

Eye Protection

Chemical goggles; also wear a face shield if splashing hazard exists.

Other Precautions

Eyewash fountains and safety showers must be easily accessible.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State: Liquid	Color	Light Amber to Dark Amber , Clear to Slightly Hazy
Odor: Aromatic hydrocarbon	Odor Threshold:	No information available
<u>Property</u>	<u>Values</u>	
<u>Remarks/ - Method</u>		
pH:	6.41 - 7.41 (10% in 1:1 IPA:H2O)	
Freezing Point / Range	-40 °C / -40 °F	
Melting Point / Range	No data available	
Pour Point / Range	No data available	-40 °C -40 °F
Boiling Point / Range	No data available	
Flash Point	29.4 °C / 85 °F (PMCC)	
Flammability (solid, gas)	No data available	
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Evaporation rate	No data available	
Vapor Pressure	No data available	
Vapor Density	No data available	
Specific Gravity	0.8666 - 0.8916 (20 °C/68 °F)	
Water Solubility	Insoluble in water	
Solubility in other solvents	Oil soluble	
Partition coefficient: n-octanol/water	No data available	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Viscosity	No data available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other information

VOC Content (%)	No data available
Liquid Density	7.22-7.43 lbs/gal

10. Stability and Reactivity

10.1. Reactivity

Not expected to be reactive.

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

Will Not Occur

10.4. Conditions to avoid

Keep away from heat, sparks and flame.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Carbon oxides. Oxides of nitrogen.

11. Toxicological Information

11.1 Information on likely routes of exposure

Principle Route of Exposure Eye contact. Inhalation. Skin contact. Ingestion.

11.2 Symptoms related to the physical, chemical and toxicological characteristics

Acute Toxicity

Inhalation

Causes severe respiratory irritation. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Eye Contact

Causes serious eye damage.

Skin Contact

Causes severe burns.

Ingestion

Causes burns of the mouth, throat and stomach. Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal. May cause headache, dizziness, nausea, vomiting, gastrointestinal irritation and central nervous system depression. Ingestion of this product may cause blindness due to the presence of methanol.

Chronic Effects/Carcinogenicity May cause heritable genetic damage. Contains known or suspected carcinogens. Repeated excessive ingestion may cause central nervous system effects.

11.3 Toxicity data

Toxicology data for the components

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Light aromatic solvent	64742-95-6	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 8.53 mg/L (vapor, 4 hr, rat)
1,2,4 Trimethylbenzene	95-63-6	3415 mg/kg-bw (rat)	>3440 mg/kg-bw (rat) (similar substance)	>10.2 mg/L (rat, 4 h, aerosol) (similar substance)
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	>4000 mg/kg (Rat)	No data available	No data available
Methanol	67-56-1	300 mg/kg-bw (human) < 790 to 13,000 mg/kg (rat)	1000 mg/kg-bw (human) 17,100 mg/kg (rabbit)	10 mg/L (human, vapor, 4h)
Xylene	1330-20-7	3287 mg/kg bw (Rat)	>4200 mg/kg (rabbit)	27.6 mg/L (Rat, 4h, vapor)

Substances	CAS Number	Skin corrosion/irritation
Light aromatic solvent	64742-95-6	Causes moderate skin irritation. (Rabbit)
1,2,4 Trimethylbenzene	95-63-6	Irritating to skin. (Rabbit) Causes moderate skin irritation. (similar substances)
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	Causes severe skin irritation with tissue destruction.
Methanol	67-56-1	Non-irritating to the skin (Rabbit)
Xylene	1330-20-7	Causes skin irritation.

Substances	CAS Number	Serious eye damage/irritation
Light aromatic solvent	64742-95-6	Non-irritating to rabbit's eye
1,2,4 Trimethylbenzene	95-63-6	Irritating to eyes (Rabbit) May cause moderate eye irritation.
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	Causes severe eye irritation. Will damage tissue.
Methanol	67-56-1	Non-irritating to the eye (Rabbit)
Xylene	1330-20-7	Causes moderate eye irritation (Rabbit)

Substances	CAS Number	Skin Sensitization
Light aromatic solvent	64742-95-6	Did not cause sensitization on laboratory animals (guinea pig)
1,2,4 Trimethylbenzene	95-63-6	Did not cause sensitization on laboratory animals (guinea pig) (similar substances)
Fatty acids, tall-oil, reaction products with	61790-69-0	As a precaution the product should be treated as a sensitizer

diethylenetriamine		
Methanol	67-56-1	Did not cause sensitization on laboratory animals (guinea pig)
Xylene	1330-20-7	Did not cause sensitization on laboratory animals (mouse)

Substances	CAS Number	Respiratory Sensitization
Light aromatic solvent	64742-95-6	No information available
1,2,4 Trimethylbenzene	95-63-6	No information available
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	No information available
Methanol	67-56-1	No information available
Xylene	1330-20-7	No information available

Substances	CAS Number	Mutagenic Effects
Light aromatic solvent	64742-95-6	Some in vivo tests have shown mutagenic effects. In vitro tests have shown mutagenic effects
1,2,4 Trimethylbenzene	95-63-6	In vivo tests did not show mutagenic effects. In vitro tests did not show mutagenic effects.
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	No information available
Methanol	67-56-1	The weight of evidence from available in vitro and in vivo studies indicates that this substance is not expected to be mutagenic.
Xylene	1330-20-7	In vitro tests did not show mutagenic effects. In vivo tests did not show mutagenic effects.

Substances	CAS Number	Carcinogenic Effects
Light aromatic solvent	64742-95-6	Contains a known or suspected carcinogen
1,2,4 Trimethylbenzene	95-63-6	No information available
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	No information available
Methanol	67-56-1	No data of sufficient quality are available.
Xylene	1330-20-7	Did not show carcinogenic effects in animal experiments

Substances	CAS Number	Reproductive toxicity
Light aromatic solvent	64742-95-6	No data of sufficient quality are available.
1,2,4 Trimethylbenzene	95-63-6	No significant toxicity observed in animal studies at concentration requiring classification. (similar substances) Adverse developmental effects were only observed at maternally toxic doses.
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	No information available
Methanol	67-56-1	Based on available data, the classification criteria are not met. Experiments have shown reproductive toxicity effects on laboratory animals
Xylene	1330-20-7	Did not show teratogenic effects in animal experiments. Animal testing did not show any effects on fertility.

Substances	CAS Number	STOT - single exposure
Light aromatic solvent	64742-95-6	May cause headache, dizziness, and other central nervous system effects. No information available
1,2,4 Trimethylbenzene	95-63-6	May cause respiratory irritation. No information available
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	No information available
Methanol	67-56-1	May cause disorder and damage to the Central Nervous System (CNS)
Xylene	1330-20-7	May cause respiratory irritation.

Substances	CAS Number	STOT - repeated exposure
Light aromatic solvent	64742-95-6	No significant toxicity observed in animal studies at concentration requiring classification. (similar substances)
1,2,4 Trimethylbenzene	95-63-6	Causes damage to organs through prolonged or repeated exposure if inhaled: (Hematopoietic System) Central Nervous System (CNS)
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	No information available
Methanol	67-56-1	Causes damage to organs through prolonged or repeated exposure: Central Nervous System (CNS)
Xylene	1330-20-7	No significant toxicity observed in animal studies at concentration requiring classification.

Substances	CAS Number	Aspiration hazard
Light aromatic solvent	64742-95-6	May be fatal if swallowed and enters airways

1,2,4 Trimethylbenzene	95-63-6	Risk of serious damage to the lungs (by aspiration) Aspiration can be a hazard if this material is swallowed.
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	Not applicable
Methanol	67-56-1	Not applicable
Xylene	1330-20-7	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

12.1. Toxicity

Ecotoxicity effects

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Substance Ecotoxicity Data

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Light aromatic solvent	64742-95-6	EL50 (72h) 3.1 mg/L (Pseudokirchnerella subcapitata)	LC50 (96h) 1.03 mg/L (Oncorhynchus mykiss)	No information available	EC50 (48h) 1.2 mg/L (Daphnia magna)
1,2,4 Trimethylbenzene	95-63-6	No information available	LC50 (96 h) 7.72 mg/L (Pimephales promelas)	No information available	LC50 (48 h) 3.6 mg/L (Daphnia magna) Chronic Value (ChV) (16 d) 0.367 mg/L (Daphnia sp.)
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	No information available	No information available	No information available	No information available
Methanol	67-56-1	EC50 (96 h) =22000 mg/L (Pseudokirchnerella subcapitata) NOEC (8 d) =8000 mg/L (Scenedesmus quadricauda)	LC50(96 h)=15400 mg/L (Lepomis macrochirus) EC50 (200h)=14536 mg/L (Oryzias latipes)	No information available	NOEC(21 d)=208 mg/L (Daphnia magna) EC50 (48h)=22200 mg/L (Daphnia obtuse)
Xylene	1330-20-7	EC50 (72h) = 4.9 mg/L(Pseudokirchnerella subcapitata)	NOEC (56d) > 1.3 mg/L (Oncorhynchus mykiss) LC50 (96h) 2.6 mg/L (Oncorhynchus mykiss)	No information available	LC50 (24h) = 1mg/L(Daphnia magna)

12.2. Persistence and degradability

Substances	CAS Number	Persistence and Degradability
Light aromatic solvent	64742-95-6	(77.05% @ 28d)
1,2,4 Trimethylbenzene	95-63-6	Readily biodegradable
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	No information available
Methanol	67-56-1	Readily biodegradable (95% @ 20d)
Xylene	1330-20-7	Readily biodegradable (87.8% @ 28d)

12.3. Bioaccumulative potential

Substances	CAS Number	Bioaccumulation
Light aromatic solvent	64742-95-6	3.20 - 3.63 BCF = 119 - 142
1,2,4 Trimethylbenzene	95-63-6	LogPow 3.42
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	No information available
Methanol	67-56-1	Not Bioaccumulative; BCF=1
Xylene	1330-20-7	Log Pow 2.8 - 3.2

12.4. Mobility in soil

Substances	CAS Number	Mobility
Light aromatic solvent	64742-95-6	KOC = 372 - 617
1,2,4 Trimethylbenzene	95-63-6	No information available
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	No information available
Methanol	67-56-1	No information available
Xylene	1330-20-7	KOC = 537

12.5 Other adverse effects

No information available

13. Disposal Considerations**13.1. Waste treatment methods**

Disposal methods Disposal should be made in accordance with federal, state, and local regulations.
Contaminated Packaging Dispose of container according to national or local regulations.

14. Transport Information**US DOT**

UN Number UN2924
UN proper shipping name: Flammable Liquid, Corrosive, N.O.S. (Contains Light Aromatic solvent, Complex Fatty-Acid compounds)
Transport Hazard Class(es): 3 (8)
Packing Group: III
Environmental Hazards: Not applicable
NAERG: NAERG 132

Canadian TDG

UN Number UN2924
UN proper shipping name: Flammable Liquid, Corrosive, N.O.S. (Contains Light Aromatic solvent, Complex Fatty-Acid compounds)
Transport Hazard Class(es): 3 (8)
Packing Group: III
Environmental Hazards: Not applicable

IMDG/IMO

UN Number UN2924
UN proper shipping name: Flammable Liquid, Corrosive, N.O.S. (Contains Light Aromatic solvent, Complex Fatty-Acid compounds)
Transport Hazard Class(es): 3 (8)
Packing Group: III
Environmental Hazards: Not applicable
EMS: EmS F-E, S-C

IATA/ICAO

UN Number UN2924
UN proper shipping name: Flammable Liquid, Corrosive, N.O.S. (Contains Light Aromatic solvent, Complex Fatty-Acid compounds)
Transport Hazard Class(es): 3 (8)
Packing Group: III
Environmental Hazards: Not applicable

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

Special Precautions for User None

15. Regulatory Information

US Regulations

US TSCA Inventory

All components listed on inventory or are exempt.

TSCA Significant New Use Rules - S5A2

Substances	CAS Number	TSCA Significant New Use Rules - S5A2	TSCA Section 5(E) Consent Orders
Light aromatic solvent	64742-95-6	Not applicable	Not applicable
1,2,4 Trimethylbenzene	95-63-6	Not applicable	Not applicable
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	Not applicable	Not applicable
Methanol	67-56-1	Not applicable	Not applicable
Xylene	1330-20-7	Not applicable	Not applicable

EPA SARA Title III Extremely Hazardous Substances

Substances	CAS Number	EPA SARA Title III Extremely Hazardous Substances
Light aromatic solvent	64742-95-6	Not applicable
1,2,4 Trimethylbenzene	95-63-6	Not applicable
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	Not applicable
Methanol	67-56-1	Not applicable
Xylene	1330-20-7	Not applicable

EPA SARA (311,312) Hazard Class

Flammable (gases, aerosols, liquids, or solids)

Aspiration Hazard

Skin Corrosion or Irritation

Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

Germ cell mutagenicity

Carcinogenicity

EPA SARA (313) Chemicals:

Substances	CAS Number	Toxic Release Inventory (TRI) - Group I	Toxic Release Inventory (TRI) - Group II
Light aromatic solvent	64742-95-6	Not applicable	Not applicable
1,2,4 Trimethylbenzene	95-63-6	1.0%	Not applicable
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	Not applicable	Not applicable
Methanol	67-56-1	1.0%	Not applicable
Xylene	1330-20-7	1.0%	Not applicable

EPA CERCLA/Superfund Reportable Spill Quantity

Substances	CAS Number	CERCLA RQ
Light aromatic solvent	64742-95-6	Not applicable
1,2,4 Trimethylbenzene	95-63-6	Not applicable
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	Not applicable
Methanol	67-56-1	5000 lb 2270 kg
Xylene	1330-20-7	100 lb 45.4 kg

EPA RCRA Hazardous Waste Classification

Ignitability D001

Corrosivity D002

California Proposition 65

Substances	CAS Number	California Proposition 65
Light aromatic solvent	64742-95-6	Not applicable
1,2,4 Trimethylbenzene	95-63-6	Not applicable
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	Not applicable
Methanol	67-56-1	developmental toxicity
Xylene	1330-20-7	Not applicable

U.S. State Right-to-Know Regulations

Substances	CAS Number	MA Right-to-Know Law	NJ Right-to-Know Law	PA Right-to-Know Law
Light aromatic solvent	64742-95-6	Not applicable	Not applicable	Not applicable
1,2,4 Trimethylbenzene	95-63-6	Present	Present	Environmental hazard
Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	Not applicable	Not applicable	Not applicable
Methanol	67-56-1	Present	Present	Environmental hazard
Xylene	1330-20-7	Present	Present	Environmental hazard

Canadian Regulations

Canadian Domestic Substances All components listed on inventory or are exempt.
List (DSL)

16. Other information**Preparation Information**

Prepared By Chemical Stewardship
e-mail: fdunexchem@halliburton.com

Revision Date: 09-Dec-2021

Reason for Revision SDS sections updated:
2
3
4
8
9
11
14
15

Additional information:

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Safety Data Sheet for this or other Halliburton products, contact Chemical Stewardship at 1-580-251-4335.

NFPA Ratings: Health 3, Flammability 2, Reactivity 0
HMIS Ratings: Health 3*, Flammability 2, Physical Hazard 0, PPE: X

Key or legend to abbreviations and acronyms used in the safety data sheet

bw – body weight
CAS – Chemical Abstracts Service
d - day
EC50 – Effective Concentration 50%
ErC50 – Effective Concentration growth rate 50%
h - hour
LC50 – Lethal Concentration 50%

LD50 – Lethal Dose 50%
LL50 – Lethal Loading 50%
mg/kg – milligram/kilogram
mg/L – milligram/liter
mg/m³ - milligram/cubic meter
mm - millimeter
mmHg - millimeter mercury
NIOSH – National Institute for Occupational Safety and Health
NTP – National Toxicology Program
OEL – Occupational Exposure Limit
PEL – Permissible Exposure Limit
ppm – parts per million
STEL – Short Term Exposure Limit
TWA – Time-Weighted Average
UN – United Nations
w/w - weight/weight

Key literature references and sources for data

www.ChemADVISOR.com/
OSHA
ECHA C&L

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End of Safety Data Sheet