

**SAFETY DATA SHEET****Product Trade Name:** MC SS-5079**Revision Date:** 05-Mar-2015**Revision Number:** 3**1. Identification****1.1. Product Identifier**

**Product Trade Name:** MC SS-5079  
**Synonyms** None  
**Chemical Family:** Blend  
**Internal ID Code** MC003084

**1.2 Recommended use and restrictions on use**

**Application:** Solvent  
**Uses advised against** Consumer use

**1.3 Manufacturer's Name and Contact Details****Manufacturer/Supplier**

Multi-Chem Group LLC  
424 S Chadbourne St  
San Angelo, TX 76903  
Phone: 1 325 223 6200  
Emergency Phone Number: 1-866-519-4752 (US, Canada, Mexico) or 1-760-476-3962

Halliburton Energy Services  
645 - 7th Ave SW Suite 2200  
Calgary, AB  
T2P 4G8  
Canada

**Prepared By** Chemical Stewardship  
Telephone: 1-281-871-6107  
e-mail: fdunexchem@halliburton.com

**1.4. Emergency telephone number**

**Emergency Telephone Number** 1-866-519-4752 or 1-760-476-3962

**2. Hazard(s) Identification****2.1 Classification in accordance with paragraph (d) of §1910.1200**

As adopted by the competent authority, this product does not require an SDS or hazard warning label.

Not classified

**2.2. Label Elements**

**Hazard pictograms**

**Signal Word** Not Classified

**Hazard Statements** Not Hazardous

**Precautionary Statements**

**Prevention** None  
**Response** None  
**Storage** None  
**Disposal** None

**2.3 Hazards not otherwise classified**

None known

**3. Composition/information on Ingredients**

Substances	CAS Number	PERCENT (w/w)	GHS Classification - US
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	60 - 100%	Not classified

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, move victim to fresh air and seek medical attention.  
**Eyes** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.  
**Skin** Flush skin with large amounts of water. If irritation persists, get medical attention.  
**Ingestion** Rinse mouth with water many times. Get medical attention if symptoms occur

**4.2 Most important symptoms/effects, acute and delayed**

No significant hazards expected.

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

**Notes to Physician** Treat symptomatically.

**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.

**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

Use appropriate protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. 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

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

Ensure adequate ventilation. Use appropriate protective equipment. Avoid contact with eyes, skin, or clothing.

#### Hygiene Measures

Remove and wash contaminated clothing before re-use Wash hands before breaks and immediately after handling the product

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage Information

Store in a well ventilated area.

## 8. Exposure Controls/Personal Protection

### 8.1 Occupational Exposure Limits

Substances	CAS Number	OSHA PEL-TWA	ACGIH TLV-TWA
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	Not applicable	Not applicable

### 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

Not normally necessary.

#### Hand Protection

Use gloves which are suitable for the chemicals present in this product as well as other environmental factors in the workplace.

#### Skin Protection

Wear protective clothing appropriate for the work environment.

#### Eye Protection

Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles, Face-shield.

#### Other Precautions

None known.

## 9. Physical and Chemical Properties

**9.1. Information on basic physical and chemical properties**

<b>Physical State:</b> Liquid	<b>Color</b>	Clear colorless
<b>Odor:</b> Mild	<b>Odor</b>	No information available
	<b>Threshold:</b>	

<u>Property</u>	<u>Values</u>
<u>Remarks/ - Method</u>	
<b>pH:</b>	7.7-8.7
<b>Freezing Point / Range</b>	-4.3 °C / 24 °F
<b>Melting Point / Range</b>	-7 °C / 19.4 °F
<b>Boiling Point / Range</b>	288 °C / 550 °F
<b>Flash Point</b>	172.2 °C / 342 °F
<b>Flammability (solid, gas)</b>	No data available
Upper flammability limit	No data available
Lower flammability limit	No data available
<b>Evaporation rate</b>	0.27
<b>Vapor Pressure</b>	<0.01 mmHg
<b>Vapor Density</b>	5.2
<b>Specific Gravity</b>	1.1029-1.1279
<b>Water Solubility</b>	Miscible with water
<b>Solubility in other solvents</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Autoignition Temperature</b>	371 °C / 700 °F
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	47.8 cps @ 20 °C
<b>Explosive Properties</b>	No information available
<b>Oxidizing Properties</b>	No information available

**9.2. Other information**

<b>VOC Content (%)</b>	No data available
<b>Liquid Density</b>	9.17 lbs/gal

**10. Stability and Reactivity****10.1. Reactivity**

Not expected to be reactive.

**10.2. Chemical stability**

Stable under recommended storage conditions

**10.3. Possibility of hazardous reactions**

None under normal processing

**10.4. Conditions to avoid**

Excessive heat

**10.5. Incompatible materials**

Strong oxidizers. Strong acids. Strong alkalis.

**10.6. Hazardous decomposition products**

Carbon oxides.

**11. Toxicological Information****11.1 Information on likely routes of exposure**

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

**11.2 Symptoms related to the physical, chemical and toxicological characteristics****Acute Toxicity**

<b>Inhalation</b>	May cause mild respiratory irritation.
<b>Eye Contact</b>	May cause mild eye irritation.
<b>Skin Contact</b>	May cause mild skin irritation.
<b>Ingestion</b>	May cause abdominal pain, vomiting, nausea, and diarrhea.

**Chronic Effects/Carcinogenicity** No data available to indicate product or components present at greater than 0.1% are chronic health hazards.

**11.3 Toxicity data****Toxicology data for the components**

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No data available	No data available	No data available

**12. Ecological Information****12.1. Toxicity****Ecotoxicity effects**

Product is not classified as hazardous to the environment.

**Product Ecotoxicity Data**

The environmental impact of this product has not been fully investigated

**Substance Ecotoxicity Data**

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No information available	No information available	No information available	No information available

**12.2. Persistence and degradability**

Substances	CAS Number	Persistence and Degradability
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No information available

**12.3. Bioaccumulative potential**

Substances	CAS Number	Log Pow
------------	------------	---------

Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No information available
--	----	--------------------------

**12.4. Mobility in soil**

Substances	CAS Number	Mobility
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No information available

**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** Not restricted  
**UN proper shipping name** Not restricted  
**Transport Hazard Class(es)** Not applicable  
**Packing Group:** Not applicable  
**Environmental Hazards** Not applicable

**Canadian TDG**

**UN Number** Not restricted  
**UN proper shipping name** Not restricted  
**Transport Hazard Class(es)** Not applicable  
**Packing Group:** Not applicable  
**Environmental Hazards** Not applicable

**IMDG/IMO**

**UN Number** Not restricted  
**UN proper shipping name** Not restricted  
**Transport Hazard Class(es)** Not applicable  
**Packing Group:** Not applicable  
**Environmental Hazards** Not applicable

**IATA/ICAO**

**UN Number** Not restricted  
**UN proper shipping name** Not restricted  
**Transport Hazard Class(es)** Not applicable  
**Packing Group:** Not applicable  
**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
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	Not applicable

**EPA SARA Title III Extremely Hazardous Substances**

Substances	CAS Number	EPA SARA Title III Extremely Hazardous Substances
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	Not applicable

**EPA SARA (311,312) Hazard Class**

None

**EPA SARA (313) Chemicals**

Substances	CAS Number	Toxic Release Inventory (TRI) - Group I	Toxic Release Inventory (TRI) - Group II
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	Not applicable	Not applicable

**EPA CERCLA/Superfund Reportable Spill Quantity**

Substances	CAS Number	CERCLA RQ
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	Not applicable

**EPA RCRA Hazardous Waste Classification**

If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.

**California Proposition 65**

The California Proposition 65 regulations apply to this product.

**MA Right-to-Know Law**

One or more components listed.

**NJ Right-to-Know Law**

One or more components listed.

**PA Right-to-Know Law**

One or more components listed.

**NFPA Ratings:**

Health 1, Flammability 1, Reactivity 0

**HMIS Ratings:**

Health 1, Flammability 1, Physical Hazard 0, PPE: X

**Canadian Regulations**

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

**16. Other information****Preparation Information****Prepared By**

Chemical Stewardship  
 Telephone: 1-281-871-6107  
 e-mail: fdunexchem@halliburton.com

**Revision Date:**

05-Mar-2015

**Reason for Revision**

Update to Format

**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.

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

bw – body weight

CAS – Chemical Abstracts Service

EC50 – Effective Concentration 50%

ErC50 – Effective Concentration growth rate 50%

LC50 – Lethal Concentration 50%

LD50 – Lethal Dose 50%

LL50 – Lethal Loading 50%

mg/kg – milligram/kilogram

mg/L – milligram/liter

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

h - hour

mg/m<sup>3</sup> - milligram/cubic meter

mm - millimeter

mmHg - millimeter mercury

w/w - weight/weight

d - day

**Key literature references and sources for data**

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

OSHA

ECHA C&L

**Disclaimer Statement**

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

**End of Safety Data Sheet**