

IN FORCE RM

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: IN FORCE RM
Common Name: Drilling Fluid Additive
SDS Number: 1045
Revision Date: 4/16/2020
Chemical Family: Dimer Acids

Supplier Details: Valence Drilling Fluids, LLC
 2575 Kelley Pointe Parkway, Suite 120
 Edmond, OK 73013

Phone: 800-424-9300
Emergency: CHEMTREC 800-424-9300

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
 No GHS Classifications Indicated

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **NONE**

GHS Hazard Pictograms:

No GHS pictograms indicated for this product

GHS Hazard Statements:

No GHS hazards statements indicated

GHS Precautionary Statements:

No GHS precautionary statements indicated

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Inhalation: Minimal respiratory tract irritation may occur with exposure to a large amount of material.
Skin Contact: Remove contaminated clothing and wash before reuse. Wash skin with soap and water.

Eye Contact: May cause irritation.
Ingestion: Ingestion is not an applicable route of entry for intended use.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
61788-89-4	67-85%	Fatty acids, C18-unsatd., dimers
64742-53-6	15-33%	Distillates, petroleum, hydrotreated light naphthenic

4 FIRST AID MEASURES

Inhalation: If irritation, headache, nausea or drowsiness occurs, remove person to fresh air. Get medical attention immediately for any breathing difficulty.

Skin Contact: Immediately wash exposed area with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical attention if symptoms persist.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get medical attention if irritation occurs.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

5 FIRE FIGHTING MEASURES

Flash Point: >200°F

Use water spray to cool fire exposed containers. Use carbon dioxide, dry chemical or water spray to extinguish fires. Do not use water jet.

6 ACCIDENTAL RELEASE MEASURES

Pick up excess with inert absorbant material and place into separate waste container. Dispose of waste material in accordance with all local, state/provincial and national requirements.

7 HANDLING AND STORAGE

Handling Precautions: Put on appropriate personal protective equipment. Wash thoroughly after handling. Eating, drinking and smoking should be prohibited in areas where this material is handled or stored. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment: HMIS PP, B | Safety Glasses, Gloves

Individual Protection Measures:

Ventilation Requirements: Use only with adequate ventilation.

Respiratory Protection: None required under normal conditions

Skin Protection: Wear long sleeved clothing and rubber or neoprene gloves.

Eye Protection: Wear safety glasses with side shields or chemical safety goggles. Maintain eye wash station in work area.

Other Precautions: As appropriate for work area.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light to Dark Amber

Odor: Characteristic

Solubility: Insoluble in water

Spec Grav./Density: 0.90 - 0.94

Flash Point: >200°F

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions

Conditions to Avoid:	Heat, flames and sparks. Avoid temperatures exceeding the flash point.
Materials to Avoid:	Strong Oxidizing Agents.
Hazardous Decomposition:	Decomposition may produce normal products of carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Hazardous Polymerization:	Hazardous polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

Toxicity Data:

Eye Effects: May be irritating to eyes.

Skin Effects: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis

Ingestion: May cause gastrointestinal discomfort if swallowed. Do not induce vomiting.

Inhalation Effects: May be fatal if enters airways.

Chronic Effects: Not Known.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA Nota L - meets EU requirements of less than 3% (w/w) DMSO extract for total Polycyclic aromatic compound (PAC) using IP346. Not Classified.

Mutagenicity: Not Known.

Teratogenicity: Not Known.

12 ECOLOGICAL INFORMATION

No data available

13 DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14 TRANSPORT INFORMATION

Not Regulated

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Fatty acids, C18-unsatd., dimers (61788-89-4) [67-85%] TSCA

Distillates, petroleum, hydrotreated light naphthenic (64742-53-6) [15-33%] MASS, NJHS, TSCA

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

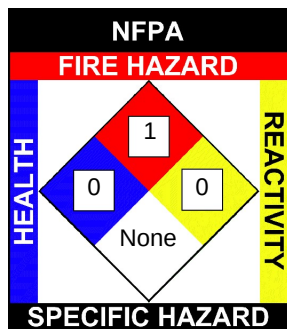
MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

NFPA: Health = 0, Fire = 1, Reactivity = 0, Specific Hazard = None

HMIS III: Health = 0, Fire = 1, Physical Hazard = 0

HMIS PPE: B - Safety Glasses, Gloves



HMIS	
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

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