

## Safety Data Sheet

### IN-FORCE EB+

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product Identifier

Trade Name IN-FORCE EB+  
CAS Number 68152-94-3

Revision Date 08/25/2021

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No information available.

##### 1.3 Details of the supplier of the safety data sheet

Valence Drilling Fluids LLC  
PO Box 7174, Edmond, OK 73083  
phone: (405) 285-6454  
e-mail:

website: [www.valencedf.com](http://www.valencedf.com)

##### 1.4 Emergency telephone number

CHEMTREC 1-800-424-9300

#### SECTION 2: Hazards Identification

##### 2.1 Classification of the substance or mixture

Carc. 1; Repr. 1

##### 2.2 Label elements



Health Hazard

Signal Word

Danger

##### Hazard Statements

H350-May cause cancer  
H360-May damage fertility or the unborn child

##### Precautionary Statements

##### 2.3 Other hazards

No information available.

##### 2.4 Unknown Acute Toxicity (US)

No information available.

#### SECTION 3: Composition/information on ingredients

##### 3.1 Substances

No information available.



## Safety Data Sheet IN-FORCE EB+

### 3.2 Mixtures

| Chemical Name                                          | CAS Number | EC No.    | Concentration % | Classification                                                                                             |
|--------------------------------------------------------|------------|-----------|-----------------|------------------------------------------------------------------------------------------------------------|
| Fumaric acid                                           | 110-17-8   | 203-743-0 | =6.3            | Aquatic Acute 3 Eye Irrit. 2                                                                               |
| Diethylenetriamine                                     | 111-40-0   | 203-865-4 | =6.204          | Acute Tox. 1 Aquatic Acute 3 Aquatic<br>Chronic 3 Skin Corr. 1A Eye Corr. 1 Repr.<br>1B Resp. Sens. 1 Skin |
| Oils, tall                                             | 8002-26-4  | 232-304-6 | =32.32          |                                                                                                            |
| Distillates (petroleum), hydrotreated light naphthenic | 64742-53-6 | 265-156-6 | =26.4           | Asp. Tox. 1 Carc. 1B Skin Irrit. 2 Eye Irrit.<br>2 Repr. 2                                                 |
| Trade Secret                                           |            |           | =14.388         |                                                                                                            |

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General notes

IF exposed or concerned: Get medical advice/attention.

##### After inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

##### After skin contact

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

##### After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

##### After ingestion

Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

##### Self-protection of the first aider

No information available.

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

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

No information available.

#### Additional Information

NOTES TO PHYSICIAN: The decision whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. No specific antidote. If burn is present, treat as any thermal burn. Specific treatment must be based on judgement of the physician in response to reactions of the patient.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

##### Unsuitable extinguishing media

No information available.

#### 5.2 Special hazards arising from the substance or mixture

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by skin contact.

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

#### 6.2 Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if



## Safety Data Sheet IN-FORCE EB+

significant spillages cannot be contained.

### 6.3 Methods and material for containment and cleaning up

METHODS FOR CONTAINMENT: Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEANING UP : Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal.

### 6.4 Reference to other sections

No information available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

General Hygiene Considerations : When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

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

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Protect from sunlight. Store in a well-ventilated place.

### 7.3 Incompatibilities/Specific end uses(s)

|                     |                           |
|---------------------|---------------------------|
| Incompatibilities   | Strong oxidizing agents.  |
| Specific end use(s) | No information available. |

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Diethylenetriamine(111-40-0)

|                        |           |
|------------------------|-----------|
| MEXICO OEL TWAs        | 1 ppm     |
| QUEBEC                 | 4.2 mg/m3 |
| FRANCE OEL TWAs        | 4 mg/m3   |
| OSHA Vacated PELs -TWA | 4 mg/m3   |
| BRITISH COLUMBIA       | 1 ppm     |
| ACGIH TLV              | 1 ppm     |
| ONTARIO                | 1 ppm     |
| NIOSH                  | 4 mg/m3   |

### 8.2 Engineering Controls/Exposure Controls

|                                 |                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering controls            | Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. |
| Environmental exposure controls | No information available.                                                                                                                                               |

### 8.3 Protective Measures

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/face protection   | Tight sealing safety goggles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Hand protection       | There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves. |
| Other Skin protection | Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



## Safety Data Sheet

### IN-FORCE EB+

appropriate, to prevent skin contact. Wear suitable protective clothing. Personnel should wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber.

#### Other protection

No information available.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### General hygiene consideration

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

#### Thermal hazards

No information available.

### 9.1 Information on basic physical and chemical properties

| Property                        | Value                     | Property                      | Value                     |
|---------------------------------|---------------------------|-------------------------------|---------------------------|
| Apperances                      | APPDEFVALUE               | Autoignition Temp             | 0 °C                      |
| Bioconcentration Factors (BCFs) | No information available. | Boiling Points                | 0 °C                      |
| Bulk Densities                  | No information available. | Coefficent of Octanol         | No information available. |
| Colors                          | No information available. | Densities                     | 0                         |
| Evaporation Rate                | No information available. | Extinguishing Media(NonSuit.) | No information available. |
| Extinguishing Media(Suitable)   | No information available. | Flash Points                  | 0 °C                      |
| Heats of Combustion             | No information available. | Heats of Formation            | No information available. |
| Henry's Law Constant            | No information available. | InChI Notations               | No information available. |
| Melting Points                  | No information available. | Molecular Weights             | No information available. |
| Odor Threshold (Detection)      | No information available. | Odor Threshold (Recognition)  | No information available. |
| Odors                           | No information available. | SMILES Notations              | No information available. |
| Specific Gravity                | .935                      | State of Matter               | Ambient temperature       |
| Vapor Densities                 | No information available. | Vapor Pressures               | No information available. |
| Water Miscibilities             | No information available. | Water Solubilities (Qualit.)  | No information available. |
| Water Solubilities(Quantit.)    | No information available. | pH Value                      |                           |

### 9.2 Other information

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Chlorine gas.

### 11.1 Information on toxicological effects

#### Skin contact

May cause an allergic skin reaction

#### Eye contact

Causes serious eye irritation

#### Inhalation

Not applicable

#### Ingestion

Not applicable

#### Symptoms related to charactericstics

Not applicable

#### Acute effects

Not applicable



## Safety Data Sheet IN-FORCE EB+

### Chronic effects

Not applicable

### Numerical measures of Toxicity

#### Fumaric acid (110-17-8)

|                     |               |
|---------------------|---------------|
| LC50 INHALATION RAT | > 1.306 mg/L  |
| LD50 DERMAL RABBIT  | > 20000 mg/kg |
| LD50 ORAL RAT       | = 9300 mg/kg  |

#### Diethylenetriamine (111-40-0)

|                     |              |
|---------------------|--------------|
| LD50 ORAL RAT       | = 1080 mg/kg |
| LD50 DERMAL RABBIT  | = 672 mg/kg  |
| LC50 INHALATION RAT | = 70 mg/L    |

#### Tall oil fatty acids (61790-12-3)

|               |               |
|---------------|---------------|
| LD50 ORAL RAT | > 10000 mg/kg |
|---------------|---------------|

#### Distillates (petroleum), hydrotreated light naphthenic

|                     |                          |
|---------------------|--------------------------|
| LD50 ORAL RAT       | > 5000 mg/kg             |
| LC50 INHALATION RAT | = 2180 mg/m <sup>3</sup> |
| LD50 DERMAL RABBIT  | > 2000 mg/kg             |

#### Oils, tall (8002-26-4)

|                 |              |
|-----------------|--------------|
| LD50 ORAL RAT   | > 6000 mg/kg |
| LD50 DERMAL RAT | > 2000 mg/kg |

#### Skin corrosion/irritation

No information available.

#### Serious eye damage/eye irritation

No information available.

#### Respiratory sensitization

No information available.

#### Skin sensitization

No information available.

#### Carcinogenicity

Suspected of causing cancer

#### Germ cell mutagenicity

No information available.

#### Reproductive toxicity

Suspected of damaging fertility or the unborn child

#### Specific target organ toxicity - single exposure

No information available.

#### Specific target organ toxicity - repeated exposure

No information available.

#### Aspiration hazard

No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.



## Safety Data Sheet IN-FORCE EB+

|                                                                            |                                                                         |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Fumaric acid (110-17-8)</b>                                             |                                                                         |
| EC50                                                                       | 204-220 mg/ (48 h; DAPHNIAMAGNA; (Daphnia magna))                       |
| EC50                                                                       | = 41 mg/L (72 h; DESMODESMUSSUBSPICAT; (Desmodesmus subspicatus))       |
| <b>Diethylenetriamine (111-40-0)</b>                                       |                                                                         |
| EC50                                                                       | = 592 mg/L (96 h; DESMODESMUSSUBSPICAT; (Desmodesmus subspicatus))      |
| EC50                                                                       | = 345.6 mg/L (96 h; PSEUDOKIRCHNERIELLAS; (Pseudokirchneriella subcapit |
| EC50                                                                       | = 16 mg/L (48 h; DAPHNIAMAGNA; (Daphnia magna))                         |
| LC50                                                                       | = 1014 mg/L (96 h; POECILIARETICULATA; (Poecilia reticulata))           |
| <b>Tall oil fatty acids (61790-12-3)</b>                                   |                                                                         |
| EC50                                                                       | > 1000 mg/L (72 h; PSEUDOKIRCHNERIELLAS; (Pseudokirchneriella subcapita |
| <b>Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)</b> |                                                                         |
| EC50                                                                       | > 1000 mg/L (48 h; DAPHNIAMAGNA; (Daphnia magna))                       |
| LC50                                                                       | > 5000 mg/L (96 h; ONCORHYNCHUSMYKISS; (Oncorhynchus mykiss))           |
| <b>Oils, tall (8002-26-4)</b>                                              |                                                                         |
| LC50                                                                       | > 5 mg/L (96 h; BRACHYDANIORERIO; (Brachydanio rerio))                  |
| EC50                                                                       | = 39.7 mg/L (48 h; DAPHNIAMAGNA; (Daphnia magna))                       |
| EC50                                                                       | = 0.87 mg/L (72 h; PSEUDOKIRCHNERIELLAS; (Pseudokirchneriella subcapita |

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional Information

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Handling for disposal

Use Proper PPE while handling.

#### Methods of disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### Contaminated packaging

No information available.

## SECTION 14: Transport Information

### D.O.T. Ground/Rail

No information available.

#### 14.1 UN number

No information available.

#### 14.2 UN proper shipping name

#### 14.3 Transport hazard class(es)

#### 14.4 Packing group



## Safety Data Sheet IN-FORCE EB+

### 14.5 Environmental hazards

No information available.

### 14.6. Special precautions for user

No information available.

### 14.7. Transport in bulk according to Annex II of Marpol112 and the IBC Code

No information available.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. - CAA (Clean Air Act) - HON Rule - SOCM Chemicals  
Fumaric acid (110-17-8)

Group I

Clean Water Act - Hazardous Substances  
Fumaric acid (110-17-8)

Present

EU - Food Additives (1333/2008/EC) - Annex I - Functional Classes of Food Additives  
Fumaric acid (110-17-8)

Present 350998

EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients  
No components are subject to the EU - Inventory of Cosmetic  
Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients Section  
1.

U.S. - FDA - Direct Food Additives  
Fumaric acid (110-17-8)

21 CFR 172.350

U.S. - FDA - Total Food Additives List Sourced from EAFUS  
Fumaric acid (110-17-8)

172.350 172.808 172.810 172.822 175.105 175.300 175.320  
176.170 177.1200 177.2420

U.S. - FDA - Indirect Food Additives  
Fumaric acid (110-17-8)

21 CFR 177.1200; 21 CFR 175.105 21 CFR 176.180  
homopolymers and copolymers of the monomers; 21 CFR 178.3870  
Rosin salts and sizes, Ammonium, Calcium, Potassium, Sodium; 21  
CFR 175.300 21 CFR 175.320 21 CFR 177.2420; 21 CFR 175.105  
Rosin (wood, gum,

U.S. - USDA - National Organic Program - Substances Allowed for Use in Organic Livestock Production  
Fumaric acid (110-17-8)

Synthetic inert ingredients as classified by the EPA, for use with  
nonsynthetic substances or synthetic substances listed in this  
section and used as an active pesticide ingredient in accordance  
with any limitations on the use of such substances 392

FEMA (Flavor and Extract Manufacturers Association) - FEMA GRAS Numbers  
Fumaric acid (110-17-8)

2488

U.S. - FIFRA - Listing of Pesticide Chemicals (40 CFR 180)  
Fumaric acid (110-17-8)

Section number 180.950 180.095

NIOSH - Health Standards - Pesticides  
Fumaric acid (110-17-8)

Group III pesticide

EU - REACH (1907/2006) - List of Pre-registered Substances  
Fumaric acid (110-17-8)

November 30, 2010 203-743-0

EU - REACH (1907/2006) - List of Registered Substances  
Fumaric acid (110-17-8)

Present 203-743-0

EU - REACH (1907/2006) - List of Registered Intermediates  
Fumaric acid (110-17-8)

Present 203-743-0

EU - REACH (1907/2006) - Registered Substances Considered not to be PBT/vPvB  
Fumaric acid (110-17-8)

Present 203-743-0

EU - REACH (1907/2006) - Registered Substances PBT/vPvB Assessment Does Not Apply  
Fumaric acid (110-17-8)

Present 203-743-0

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities



## Safety Data Sheet IN-FORCE EB+

The following components are subject to reporting levels established by SARA Title II, Section 313:

|                                                                                                                                      |                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fumaric acid (110-17-8)                                                                                                              | 2270 kg final RQ; 5000 lb final RQ                                                                                                                                            |
| <b>U.S. - CAA (Clean Air Act) - Volatile Organic Compounds (VOCs) in SOCM</b>                                                        |                                                                                                                                                                               |
| Fumaric acid (110-17-8)                                                                                                              | Present                                                                                                                                                                       |
| <b>Canada - WHMIS - Ingredient Disclosure List</b>                                                                                   |                                                                                                                                                                               |
| Fumaric acid (110-17-8)                                                                                                              | 1 % 0784                                                                                                                                                                      |
| <b>U.S. - New Jersey - Special Health Hazards Substances List</b>                                                                    |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | corrosive                                                                                                                                                                     |
| <b>U.S. - FDA - Total Food Additives List Sourced from EAFUS</b>                                                                     |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | 173.20 175.105 175.300 176.170 176.180 176.210 177.1200                                                                                                                       |
| <b>U.S. - FDA - Indirect Food Additives</b>                                                                                          |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | 21 CFR 175.300 21 CFR 176.170 21 CFR 176.180 21 CFR 176.210; 21 CFR 175.105 Polyamides derived from the reaction of one or more of Acids and Amines listed in section 175.105 |
| <b>NFPA 49 - Fire and Explosion Hazards</b>                                                                                          |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | Combustible liquid.                                                                                                                                                           |
| <b>NFPA 49 - Hazardous Chemicals Data - Hazard Identification Ratings</b>                                                            |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | 3 - Health 1 - Flammability 0 - Instability                                                                                                                                   |
| <b>NFPA 49 - Health Hazards</b>                                                                                                      |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | Corrosive. Causes severe eye and skin burns. May cause severe irritation of eyes with corneal injury and permanent eye damage. Irritating to skin                             |
| <b>NFPA 49 - Emergency Response Personal Protective Equipment</b>                                                                    |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | Wear special protective clothing and positive pressure self-contained breathing apparatus.                                                                                    |
| <b>EU - REACH (1907/2006) - List of Pre-registered Substances</b>                                                                    |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | November 30, 2010 203-865-4                                                                                                                                                   |
| <b>EU - REACH (1907/2006) - List of Registered Substances</b>                                                                        |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | Present 203-865-4                                                                                                                                                             |
| <b>EU - REACH (1907/2006) - Registered Substances Considered not to be PBT/vPvB</b>                                                  |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | Present 203-865-4                                                                                                                                                             |
| <b>Canada - WHMIS - Classifications of Substances</b>                                                                                |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | D2B E                                                                                                                                                                         |
| <b>Canada - WHMIS - Ingredient Disclosure List</b>                                                                                   |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | 0.1 % 0586                                                                                                                                                                    |
| <b>International Carriage of Dangerous Goods by Road (ADR) - Tunnel Restriction Codes</b>                                            |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | E UN2079 II                                                                                                                                                                   |
| <b>China - Dangerous Goods List</b>                                                                                                  |                                                                                                                                                                               |
| Diethylenetriamine (111-40-0)                                                                                                        | Present                                                                                                                                                                       |
| <b>EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients</b>                                      |                                                                                                                                                                               |
| No components are subject to the EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients Section 1. |                                                                                                                                                                               |
| <b>U.S. - FDA - Indirect Food Additives</b>                                                                                          |                                                                                                                                                                               |
| Tall oil fatty acids (61790-12-3)                                                                                                    | 21 CFR 175.320 21 CFR 176.200 21 CFR 176.210 21 CFR 177.2600                                                                                                                  |
| <b>U.S. - FIFRA - Listing of Pesticide Chemicals (40 CFR 180)</b>                                                                    |                                                                                                                                                                               |
| Tall oil fatty acids (61790-12-3)                                                                                                    | Section number 180.940(a) 180.094; Section number 180.930 180.093; Section number 180.910 180.091                                                                             |
| <b>EU - REACH (1907/2006) - List of Pre-registered Substances</b>                                                                    |                                                                                                                                                                               |
| Tall oil fatty acids (61790-12-3)                                                                                                    | November 30, 2010 263-107-3                                                                                                                                                   |
| <b>Canada - WHMIS - Classifications of Substances</b>                                                                                |                                                                                                                                                                               |
| Tall oil fatty acids (61790-12-3)                                                                                                    | Uncontrolled product according to WHMIS classification criteria                                                                                                               |
| <b>U.S. - New Jersey - Special Health Hazards Substances List</b>                                                                    |                                                                                                                                                                               |



## Safety Data Sheet IN-FORCE EB+

|                                                                                                                                      |                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)                                                                  | carcinogen 346414                                                                                                                                                                |
| <b>U.S. - Illinois - Toxic Air Contaminants</b>                                                                                      |                                                                                                                                                                                  |
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)                                                                  | Present 346414                                                                                                                                                                   |
| <b>EU - REACH (1907/2006) - List of Pre-registered Substances</b>                                                                    |                                                                                                                                                                                  |
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)                                                                  | November 30, 2010 265-156-6                                                                                                                                                      |
| <b>EU - REACH (1907/2006) - List of Registered Substances</b>                                                                        |                                                                                                                                                                                  |
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)                                                                  | Present 265-156-6                                                                                                                                                                |
| <b>EU - REACH (1907/2006) - Appendix 2 - Carcinogens: Category 1B (Table 3.1) / Category 2 (Table 3.2)</b>                           |                                                                                                                                                                                  |
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)                                                                  | Present The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346..code:L                 |
| <b>EU - REACH (1907/2006) - Registered Substances Considered not to be PBT/vPvB</b>                                                  |                                                                                                                                                                                  |
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)                                                                  | Present 265-156-6                                                                                                                                                                |
| <b>EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients</b>                                      |                                                                                                                                                                                  |
| No components are subject to the EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients Section 1. |                                                                                                                                                                                  |
| <b>Food Additives Generally Reconized as Safe</b>                                                                                    |                                                                                                                                                                                  |
| Oils, tall (8002-26-4)                                                                                                               | 1 68 packaging                                                                                                                                                                   |
| <b>U.S. - FDA - Food Additives Generally Recognized as Safe (GRAS)</b>                                                               |                                                                                                                                                                                  |
| Oils, tall (8002-26-4)                                                                                                               | 21 CFR 186.1557                                                                                                                                                                  |
| <b>U.S. - FDA - Indirect Food Additives</b>                                                                                          |                                                                                                                                                                                  |
| Oils, tall (8002-26-4)                                                                                                               | 21 CFR 177.2600; 21 CFR 176.210 Fatty triglycerides, and the Fatty acids; 21 CFR 175.300 Triglycerides or Fatty acids derived there from oils in section 175.300; 21 CFR 175.105 |
| <b>U.S. - FIFRA - Listing of Pesticide Chemicals (40 CFR 180)</b>                                                                    |                                                                                                                                                                                  |
| Oils, tall (8002-26-4)                                                                                                               | Section number 180.930 180.091; Section number 180.910 180.091                                                                                                                   |
| <b>EU - REACH (1907/2006) - List of Pre-registered Substances</b>                                                                    |                                                                                                                                                                                  |
| Oils, tall (8002-26-4)                                                                                                               | November 30, 2010 232-304-6                                                                                                                                                      |
| <b>EU - REACH (1907/2006) - List of Registered Substances</b>                                                                        |                                                                                                                                                                                  |
| Oils, tall (8002-26-4)                                                                                                               | Present 232-304-6                                                                                                                                                                |
| <b>EU - REACH (1907/2006) - Registered Substances Considered not to be PBT/vPvB</b>                                                  |                                                                                                                                                                                  |
| Oils, tall (8002-26-4)                                                                                                               | Present EC 931-433-1 232-304-6                                                                                                                                                   |
| <b>Canada - WHMIS - Classifications of Substances</b>                                                                                |                                                                                                                                                                                  |
| Oils, tall (8002-26-4)                                                                                                               | Uncontrolled product according to WHMIS classification criteria                                                                                                                  |
| <b>Massachusetts Right To Know Components</b>                                                                                        |                                                                                                                                                                                  |
| Fumaric acid (110-17-8)                                                                                                              | Present                                                                                                                                                                          |
| <b>Massachusetts Right To Know Components</b>                                                                                        |                                                                                                                                                                                  |
| Diethylenetriamine (111-40-0)                                                                                                        | Present                                                                                                                                                                          |
| <b>Massachusetts Right To Know Components</b>                                                                                        |                                                                                                                                                                                  |
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)                                                                  | Present                                                                                                                                                                          |
| <b>U.S. - Minnesota - Hazardous Substance List</b>                                                                                   |                                                                                                                                                                                  |
| Diethylenetriamine (111-40-0)                                                                                                        | Skin                                                                                                                                                                             |
| <b>New Jersey Right To Know Components</b>                                                                                           |                                                                                                                                                                                  |
| Fumaric acid (110-17-8)                                                                                                              | 0949                                                                                                                                                                             |
| <b>New Jersey Right To Know Components</b>                                                                                           |                                                                                                                                                                                  |
| Diethylenetriamine (111-40-0)                                                                                                        | 0700                                                                                                                                                                             |
| <b>Pennsylvania Right To Know Components</b>                                                                                         |                                                                                                                                                                                  |
| Fumaric acid (110-17-8)                                                                                                              | Environmental hazard                                                                                                                                                             |
| <b>Pennsylvania Right To Know Components</b>                                                                                         |                                                                                                                                                                                  |
| Diethylenetriamine (111-40-0)                                                                                                        | Present                                                                                                                                                                          |



## Safety Data Sheet IN-FORCE EB+

| Country or region        | Inventory List                                                                      | On Inventory (yes/no) |
|--------------------------|-------------------------------------------------------------------------------------|-----------------------|
|                          | Inventory - European Union - European List of Notified Chemical Substances (ELINCS) | No                    |
|                          | European Inventory of Existing Commercial Chemical Substances (EINECS)              | Yes                   |
| Australia                | Australian Inventory of Chemical Substances (AICS)                                  | Yes                   |
| Canada                   | Non-Domestic Substances List (NDSL)                                                 | No                    |
| Canada                   | Canadian Domestic Substance List                                                    | Yes                   |
| Canada                   | Canada - CEPA - Schedule I - List of Toxic Substances                               | No                    |
| China                    | Inventory - China - Inventory of Existing Chemical Substances (IECSC)               | Yes                   |
| Japan                    | Inventory - Japan - Existing and New Chemical Substances (ENCS)                     | No                    |
| South Korea              | Inventory - Korea - Existing Chemicals Inventory (KECI/KECL)                        | Yes                   |
| New Zealand              | Inventory - New Zealand - Inventory of Chemicals (NZIoC)                            | Yes                   |
| Philippines              | Inventory - Philippines - Inventory of Chemicals and Chemical Substances (PICCS)    | Yes                   |
| United States of America | TSCA (Toxic Substances Control Act) Inventory List                                  | Yes                   |

### 15.2 Chemical Safety Assessment

No information available.

### SECTION 16: Other information

Specific Hazard: N/A

HMIS Ratings :

|                            |   |
|----------------------------|---|
| <b>HEALTH</b>              | 1 |
| <b>FLAMMABILITY</b>        | 1 |
| <b>PHYSICAL HAZARD</b>     | 0 |
| <b>PERSONAL PROTECTION</b> | B |

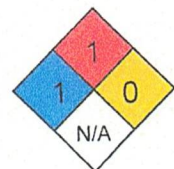
1 - Slightly Hazardous

1 - Above 200°F

0-Stable, even under fire conditions and will not re-act with water, etc.

B- Safety Glasses and Gloves

NFPA :



Preparation/Revision Date: 08/25/2021