



# SPX ATF MD3

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier   | %     | GHS-US classification   |
|--|----------------------|-------|---|
| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) | (CAS-No.) 64742-54-7 | <= 50 | Asp. Tox. 1, H304   |
| Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%)  | (CAS-No.) 64742-55-8 | <= 50 | Asp. Tox. 1, H304   |
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts      | (CAS-No.) 68649-42-3 | 1 - 5 | Eye Irrit. 2A, H319<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical attention.
- First-aid measures after skin contact : Wash skin with mild soap and water.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. To prevent aspiration, keep head below knees. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into lungs. Immediately call a poison center or doctor/physician.

### 4.2. Most important symptoms and effects (acute and delayed)

- Potential Adverse human health effects and symptoms : Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.
- Symptoms/effects after eye contact : Eye irritation.
- Symptoms/effects after ingestion : May damage lungs if swallowed and aspirated. Risk of lung edema.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

### 5.2. Specific hazards arising from the chemical

- Reactivity : Reacts with : Strong acids. Oxidizer.

### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Stop leak, if possible without risk. Eliminate ignition sources. Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Stop leak, if possible without risk. Eliminate every possible source of ignition. Ventilate area. Avoid contact with skin and eyes.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Product can accumulate electrostatic charges that may cause fire by electrical discharges. Never use pressure to empty container. Over pressure may rupture containers, cause serious injury, cause or accelerate fire.

Precautions for safe handling : Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Take precautionary measures against static discharge. Store in a well-ventilated place. Keep container tightly closed.

Incompatible materials : Strong oxidizers. Strong acids.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7) |                                     |                      |
|---|-------------------------------------|----------------------|
| ACGIH   | ACGIH TWA (mg/m <sup>3</sup> )      | 5 mg/m <sup>3</sup>  |
| ACGIH   | ACGIH STEL (mg/m <sup>3</sup> )     | 10 mg/m <sup>3</sup> |
| OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup>  |

| Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8) |                                 |                      |
|--|---------------------------------|----------------------|
| ACGIH  | ACGIH TWA (mg/m <sup>3</sup> )  | 5 mg/m <sup>3</sup>  |
| ACGIH  | ACGIH STEL (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> |

| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3) |  |  |
|--|--|--|
| Not applicable   |  |  |

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### Monitoring methods

Monitoring methods (oil)

NIOSH Manual of Analytical Methods, Mixed Cellulose Ester Filter (MCEF) 0.8 microns

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid splashing. Avoid creating mist or spray. Either local exhaust or general room ventilation is usually required.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. VITON gloves. nitrile rubber gloves

#### Eye protection:

Use splash goggles when eye contact due to splashing is possible

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Use an approved respirator equipped with oil/mist cartridges.

## SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                              | : Liquid   |
| Appearance                                  | : Red liquid.                                      |
| Color                                       | : red  |
| Odor  | : petroleum-like odor                              |
| Odor threshold                              | : No data available                                |
| pH  | : No data available                                |
| Melting point                               | : No data available                                |
| Freezing point                              | : No data available                                |
| Boiling point                               | : 315 °C   |
| Flash point                                 | : 215 °C   |
| Relative evaporation rate (butyl acetate=1) | : No data available                                |
| Flammability (solid, gas)                   | : No data available                                |
| Vapor pressure                              | : < 0.01 mm Hg                                     |
| Relative vapor density at 20 °C             | : > 1  |
| Relative density                            | : 0.89 @ 15.6 °C (60.1°F)                          |
| Solubility                                  | : Soluble in organic solvents. insoluble in water. |
| Log Pow                                     | : No data available                                |
| Auto-ignition temperature                   | : No data available                                |
| Decomposition temperature                   | : No data available                                |

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|                      |                            |
|----------------------|----------------------------|
| Viscosity, kinematic | : 7.0 cSt @ 100 °C (212°F) |
| Viscosity, dynamic   | : No data available        |
| Explosive limits     | : No data available        |
| Explosive properties | : No data available        |
| Oxidizing properties | : No data available        |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with strong acids and oxidizers.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Do not store with incompatible materials.

### 10.5. Incompatible materials

Strong acids. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)

|                            |                |
|----------------------------|----------------|
| LD50 oral rat              | > 5000 mg/kg   |
| LD50 dermal rabbit         | > 2000 mg/kg   |
| LC50 inhalation rat (mg/l) | > 5.53 mg/l/4h |

#### Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)

|                            |                          |
|----------------------------|--------------------------|
| LD50 oral rat              | > 5000 mg/kg body weight |
| LD50 dermal rabbit         | > 2000 mg/kg body weight |
| LC50 inhalation rat (mg/l) | > 10.5 mg/l/4h           |

#### Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

|               |                         |
|---------------|-------------------------|
| LD50 oral rat | 26100 mg/kg             |
| ATE US (oral) | 26100 mg/kg body weight |

|                                   |                  |
|-----------------------------------|------------------|
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |
| Reproductive toxicity             | : Not classified |

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|   |  |
|---|--|
| Specific target organ toxicity – single exposure    | : Not classified   |
| Specific target organ toxicity – repeated exposure  | : Not classified   |
| Aspiration hazard                                   | : May be fatal if swallowed and enters airways.  |
| Viscosity, kinematic                                | : 9.5 mm <sup>2</sup> /s @ 100 °C (212°F)  |
| Likely routes of exposure                           | : Dermal.  |
| Potential Adverse human health effects and symptoms | : Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. |
| Symptoms/effects after ingestion                    | : May damage lungs if swallowed and aspirated. Risk of lung edema.                                 |

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

##### Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)

|                |              |
|----------------|--------------|
| EC50 Daphnia 1 | > 10000 mg/l |
|----------------|--------------|

##### Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)

|             |   |
|-------------|---|
| LC50 fish 1 | 101 mg/l > 100 mg/l LL50. 101 is put in for calculations, per request of IPAC |
|-------------|---|

##### Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

|                        |   |
|------------------------|---|
| LC50 fish 1            | 10 (10 - 35) mg/l Pimephales promelas OECD GDL 203 (water accomodated fraction) |
| EC50 Daphnia 1         | 1 (1 - 1.5) mg/l OECD GDL 202 (water accomodated fraction)                      |
| NOEC (acute)           | 10 mg/l Pimephales promelas OECD GDL 203 (water accomodated fraction)           |
| NOEC chronic crustacea | < 1 mg/l  |

#### 12.2. Persistence and degradability

##### SPX MULTI-PURPOSE ATF

|                               |   |
|-------------------------------|---|
| Persistence and degradability | This product is not expected to be biodegradable. |
|-------------------------------|---|

##### Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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Waste disposal recommendations : If recycling is not possible, eliminate in accordance with local valid waste disposal regulations.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not regulated.

#### Transportation of Dangerous Goods

Not regulated.

#### Transport by sea

Not regulated.

#### Air transport

Not regulated.

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

##### CANADA

##### Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

##### Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)

Listed on the Canadian DSL (Domestic Substances List)

##### Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

##### Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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### National regulations

#### Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on KECI (Korean Existing Chemicals Inventory)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on Taiwan National Chemical Inventory  
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

### 15.3. US State regulations

Minor component

#### Toluene (108-88-3)

| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
|---|---|---|---|----------------------------------|-------------------------------------|
| No  | Yes   | No  | No  | 7000                             |                                     |

## SECTION 16: Other information

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Revision date : 07/24/2018

Data sources : European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.  
European Chemicals Agency (ECHA) Registered Substances list. Accessed at <http://echa.europa.eu/>.  
Component Supplier SDSs.  
Manufacturer Information.

Full text of H-phrases:

|                   |  |
|-------------------|--|
| Aquatic Acute 1   | Hazardous to the aquatic environment - Acute Hazard Category 1   |
| Aquatic Chronic 3 | Hazardous to the aquatic environment - Chronic Hazard Category 3 |
| Asp. Tox. 1       | Aspiration hazard Category 1                                     |
| Eye Irrit. 2A     | Serious eye damage/eye irritation Category 2A                    |
| H304              | May be fatal if swallowed and enters airways                     |
| H319              | Causes serious eye irritation                                    |
| H400              | Very toxic to aquatic life                                       |
| H412              | Harmful to aquatic life with long lasting effects                |

Abbreviations and acronyms:

|  |
|--|
| ACGIH (American Conference of Government Industrial Hygienists)                |
| ATE: Acute Toxicity Estimate   |
| CAS (Chemical Abstracts Service) number  |
| GHS: Globally Harmonized System (of Classification and Labeling of Chemicals). |
| IARC: International Agency for Research on Cancer                              |



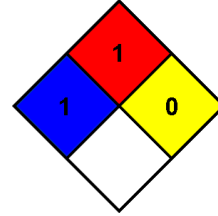
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|  |
|--|
| LD50: Lethal Dose for 50% of the test population |
| STEL: Short Term Exposure Limits                 |
| TWA: Time Weighted Average                       |

- NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



### Indication of changes:

| Section | Changed item                 | Change   | Comments                                      |
|---------|------------------------------|----------|---|
| 2.1     | Show classification (GHS US) | Added    |   |
| 2.2     |                              | Modified | Modified to be consistent with classification |

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*