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

Product information

Product Name: E-III™ Aviation Grade Fire Training Fluid
Material: 1067753, 1017394, 1030211, 1017392, 1017393, 1104917

Use: Fire Training Fluid

Company: Chevron Phillips Chemical Company LP
Specialty Chemicals
10001 Six Pines Drive
The Woodlands, TX 77380

Emergency telephone:

Health: 866.442.9628 (North America)
1.832.813.4984 (International)

Transport: CHEMTREC 800.424.9300 or 703.527.3887(int'l)
Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090
EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
Mexico CHEMTREC 01-800-681-9531 (24 hours)
South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600
Argentina: +(54)-1159839431

Responsible Department: Product Safety and Toxicology Group
E-mail address: SDS@CPChem.com
Website: www.CPChem.com

SECTION 2: Hazards identification

Classification of the substance or mixture
This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

Classification
- Flammable liquids, Category 3
- Specific target organ systemic toxicity - single exposure, Category 3, Central nervous system
- Aspiration hazard, Category 1

Labeling

SDS Number: 100000014247 1/15
### Symbol(s)

![Signal Word: Danger](image)

- **Signal Word**: Danger

### Hazard Statements

- **H226**: Flammable liquid and vapor.
- **H304**: May be fatal if swallowed and enters airways.
- **H336**: May cause drowsiness or dizziness.

### Precautionary Statements

**Prevention:**
- **P210**: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- **P240**: Ground/bond container and receiving equipment.
- **P241**: Use explosion-proof electrical/ventilating/lighting/equipment.
- **P242**: Use only non-sparking tools.
- **P243**: Take precautionary measures against static discharge.
- **P261**: Avoid breathing dust/fume/gas/mist/vapors/spray.
- **P280**: Wear protective gloves/eye protection/face protection.

**Response:**
- **P301 + P310**: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- **P303 + P361 + P353**: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- **P331**: Do NOT induce vomiting.
- **P312**: Call a POISON CENTER or doctor/physician if you feel unwell.
- **P370 + P378**: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**
- **P403 + P233**: Store in a well-ventilated place. Keep container tightly closed.
- **P403 + P235**: Store in a well-ventilated place. Keep cool.

**Disposal:**
- **P501**: Dispose of contents/container to an approved waste disposal plant.

### Carcinogenicity:

**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### SECTION 3: Composition/information on ingredients

- **Synonyms**: None
- **Molecular formula**: Mixture

---

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SECTION 4: First aid measures

General advice: Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Material may produce a serious, potentially fatal pneumonia if swallowed or vomited.

If inhaled: Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.

In case of skin contact: If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed: Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5: Firefighting measures

Flash point: 38 °C (100 °F)
Method: ASTM D 93

Autoignition temperature: No data available

Suitable extinguishing media: Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical.

Unsuitable extinguishing media: High volume water jet.

Specific hazards during firefighting: Do not allow run-off from fire fighting to enter drains or water courses.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

Fire and explosion protection: Do not spray on an open flame or any other incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of
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Hazardous decomposition products: Carbon oxides.

SECTION 6: Accidental release measures

Personal precautions: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7: Handling and storage

Handling

Advice on safe handling: Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion: Do not spray on an open flame or any other incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.

Storage

Requirements for storage areas and containers: No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8: Exposure controls/personal protection

Chevron Phillips Chemical Company LP

Ingredients | Basis | Value | Control parameters | Note |
--- | --- | --- | --- | --- |
C9-C11 Isoalkanes | Manufacturer | TWA | 1,200 mg/m³ | RCP. |
C12-C14 Isoalkanes | Manufacturer | TWA | 1,200 mg/m³ | RCP. |

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Engineering measures

Adequate ventilation to control airborned concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment

Respiratory protection : Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as: Air-Purifying Respirator for Organic Vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Eye wash bottle with pure water. Tightly fitting safety goggles.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate: Flame retardant antistatic protective clothing. Workers should wear antistatic footwear.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

- Form : Liquid
- Physical state : Liquid
- Color : Colorless
- Odor : Mild

Safety data

- Flash point : 38 °C (100 °F)
  Method: ASTM D 93
## E-III™ Aviation Grade Fire Training Fluid

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### SAFETY DATA SHEET

#### Section 3: Chemical and Physical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Molecular formula</td>
<td>Mixture</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>160 - 198 °C (320 - 388 °F)</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>0.50 PSI</td>
</tr>
<tr>
<td></td>
<td>at 38 °C (100 °F)</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.754</td>
</tr>
<tr>
<td></td>
<td>at 15.6 °C (60.1 °F)</td>
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<tr>
<td>Water solubility</td>
<td>Negligible</td>
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<tr>
<td>Relative vapor density</td>
<td>1</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>1</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>&gt; 99 %</td>
</tr>
</tbody>
</table>

### Section 10: Stability and Reactivity

**Chemical stability**: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Possibility of hazardous reactions**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions to avoid</td>
<td>Heat, flames and sparks.</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Carbon oxides</td>
</tr>
<tr>
<td>Other data</td>
<td>No decomposition if stored and applied as directed.</td>
</tr>
</tbody>
</table>

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SECTION 11: Toxicological information

**E-III™ Aviation Grade Fire Training Fluid**

**Acute oral toxicity**
- LD50: > 5,000 mg/kg
- Species: Rat
- Method: Acute toxicity estimate
- Information given is based on data obtained from similar substances.

**Acute inhalation toxicity**
- LC50: > 5 mg/l
- Method: Acute toxicity estimate
- An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.
- Information given is based on data obtained from similar substances.

**Acute dermal toxicity**
- LD50: > 5,000 mg/kg
- Species: Rabbit
- Method: Acute toxicity estimate
- Information given is based on data obtained from similar substances.

**Skin irritation**
- Repeated exposure may cause skin dryness or cracking.
- May cause eye or skin irritation with susceptible persons.
- Information given is based on data obtained from similar substances.

**Eye irritation**
- Vapors may cause irritation to the eyes, respiratory system and the skin.
- Information given is based on data obtained from similar substances.

**Sensitization**
- Did not cause sensitization on laboratory animals.
- Information given is based on data obtained from similar substances.

**Repeated dose toxicity**
- Species: Rat, male and female
- Sex: male and female
- Application Route: Inhalation
- Dose: 0, 2600, 5200, 10400 mg/3
- Exposure time: 13 wk
- Number of exposures: 6 h/d, 5 d/wk
- NOEL: > 10,400 mg/m3
- Method: OECD Test Guideline 413
- No significant adverse effects were reported
- Information given is based on data obtained from similar substances.
C12-C14 Isoalkanes
Species: Monkey
Application Route: Inhalation
Dose: 0, 654 ppm
Exposure time: 4 wk
Number of exposures: 6 h/d, 3 d/wk
NOEL: > 654 ppm
Method: OECD Test Guideline 412

Species: Rat, male and female
Sex: male and female
Application Route: oral gavage
Dose: 0, 25, 150, 1000 mg/kg/d
Exposure time: 4 wk
Number of exposures: daily
NOEL: >= 1000 mg/kg/d
Method: OECD Guideline 422
Information given is based on data obtained from similar substances.

Reproductive toxicity

C12-C14 Isoalkanes
Species: Rat
Sex: male
Application Route: oral gavage
Dose: 0, 750, 1500, 3000 mg/kg/bw/d
Number of exposures: daily
Test period: 90 d
Method: OECD Test Guideline 415
NOAEL Parent: >= 3000 mg/kg/bw/d
Information given is based on data obtained from similar substances.

Species: Rat
Sex: female
Application Route: oral gavage
Dose: 0, 750, 1500 mg/kg/bw/d
Number of exposures: daily
Test period: 90 d
Method: OECD Test Guideline 415
NOAEL Parent: >= 1500 mg/kg/bw/d
NOAEL F1: 750 mg/kg/bw/d
Information given is based on data obtained from similar substances.

Species: Rat
Sex: male and female
Application Route: inhalation (vapor)
Dose: 100, 300 ppm
Number of exposures: 6 h/d/5d/wk
Test period: 8 wk
Method: OECD Guideline 421
NOAEL Parent: >= 300 ppm
NOAEL F1: >= 300 ppm
Information given is based on data obtained from similar substances.

Developmental Toxicity

C9-C11 Isoalkanes
Species: Rat
Application Route: Inhalation  
Dose: 0, 291, 817 ppm  
Number of exposures: 6 h/d  
Test period: GD 6-15  
NOAEL Teratogenicity: > 817 ppm  
NOAEL Maternal: > 817 ppm

C12-C14 Isoalkanes  
Species: Rat  
Application Route: Inhalation  
Dose: 100, 300 ppm  
Exposure time: GD 6-15  
Number of exposures: 6 h/d  
NOAEL Teratogenicity: >= 300 ppm  
Information given is based on data obtained from similar substances.

Species: Rat  
Application Route: Inhalation  
Dose: 300, 900 ppm  
Exposure time: GD 6-15  
Number of exposures: 6 h/d  
Method: OECD Guideline 414  
NOAEL Teratogenicity: >= 900 ppm  
NOAEL Maternal: >= 900 ppm  
Information given is based on data obtained from similar substances.

Species: Rat  
Application Route: oral gavage  
Dose: 0, 500, 1000, 1500 mg/kg/d  
Exposure time: GD 6-15  
Number of exposures: Daily  
Method: OECD Guideline 414  
NOAEL Teratogenicity: 1,000 mg/kg  
NOAEL Maternal: 500 mg/kg  
Information given is based on data obtained from similar substances.

E-III™ Aviation Grade Fire Training Fluid  
Aspiration toxicity  
: May be fatal if swallowed and enters airways.

CMR effects  
C12-C14 Isoalkanes  
: Carcinogenicity: Not available  
Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects., In vivo tests did not show mutagenic effects  
Teratogenicity: Animal testing did not show any effects on fetal development.  
Reproductive toxicity: No adverse effects expected

E-III™ Aviation Grade Fire Training Fluid  
Further information  
: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.
SECTION 12: Ecological information

Toxicity to fish

C9-C11 Isoalkanes : LL50: 3.6 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)
semi-static test Method: OECD Test Guideline 203
Information given is based on data obtained from similar substances.

C12-C14 Isoalkanes LL50: > 1,000 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)
semi-static test Method: OECD Test Guideline 203
Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates

C9-C11 Isoalkanes : EL50: 22 - 46 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
static test Method: OECD Test Guideline 202
Information given is based on data obtained from similar substances.

C12-C14 Isoalkanes EL50: > 1,000 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
static test Method: OECD Test Guideline 202
Information given is based on data obtained from similar substances.

Toxicity to algae

C9-C11 Isoalkanes : ErL50: > 1,000 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (algae)
static test Method: OECD Test Guideline 201
Information given is based on data obtained from similar substances.

C12-C14 Isoalkanes EL50: > 1,000 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)
Growth inhibition Method: OECD Test Guideline 201
Information given is based on data obtained from similar substances.

Toxicity to fish (Chronic toxicity)
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C9-C11 Isoalkanes : NOELR: 0.132 mg/l
Species: Oncorhynchus mykiss (rainbow trout)
Method: QSAR modeled data

C12-C14 Isoalkanes
NOELR: 0.316 mg/l
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: QSAR modeled data

Elimination information (persistence and degradability)
Biodegradability : Taking into consideration the properties of several ingredients, the product is estimated not to be readily biodegradable according to OECD classification. Expected to be ultimately biodegradable

Ecotoxicology Assessment

Acute aquatic toxicity
C9-C11 Isoalkanes : Toxic to aquatic life.

Chronic aquatic toxicity
C9-C11 Isoalkanes : Toxic to aquatic life with long lasting effects.

Results of PBT assessment
C12-C14 Isoalkanes : Non-classified PBT substance, Non-classified vPvB substance

Additional ecological information : Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product : The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names,
etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

**US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)**
UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, III

**IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**
UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, III, (38 °C), MARINE POLLUTANT, (C9-C11 ISOALKANES)

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**
UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, III

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**
UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS, (C9-C11 ISOALKANES)

**RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))**
UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS, (C9-C11 ISOALKANES)

**ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)**
UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS, (C9-C11 ISOALKANES)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**SECTION 15: Regulatory information**

**National legislation**

**SARA 311/312 Hazards**
Flammable (gases, aerosols, liquids, or solids)
Specific target organ toxicity (single or repeated exposure)
Aspiration hazard

**CERCLA Reportable Quantity**
This material does not contain any components with a CERCLA RQ.

**SARA 302 Reportable Quantity**
This material does not contain any components with a SARA 302 RQ.
SARA 302 Threshold Planning Quantity: This material does not contain any components with a section 302 EHS TPQ.

SARA 304 Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 313 Ingredients: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

Ozone-Depletion Potential: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC’s (40 CFR 60.489).

US State Regulations

Pennsylvania Right To Know: No components are subject to the Pennsylvania Right to Know Act.

California Prop. 65 Ingredients: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.
E-III™ Aviation Grade Fire Training Fluid

SECTION 16: Other information

NFPA Classification:
- Health Hazard: 1
- Fire Hazard: 2
- Reactivity Hazard: 0

Further information
- Legacy SDS Number: 663320

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Government Industrial Hygienists</td>
</tr>
<tr>
<td>AICS</td>
<td>Australia, Inventory of Chemical Substances</td>
</tr>
<tr>
<td>DSL</td>
<td>Canada, Domestic Substances List</td>
</tr>
<tr>
<td>NDSL</td>
<td>Canada, Non-Domestic Substances List</td>
</tr>
<tr>
<td>CNS</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstract Service</td>
</tr>
<tr>
<td>EC50</td>
<td>Effective Concentration</td>
</tr>
<tr>
<td>EC50 50%</td>
<td>Effective Concentration 50%</td>
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<td>EGEST</td>
<td>EOSCA Generic Exposure Scenario Tool</td>
</tr>
<tr>
<td>EOSCA</td>
<td>European Oilfield Specialty</td>
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<tr>
<td>LD50</td>
<td>Lethal Dose 50%</td>
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<tr>
<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
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<tr>
<td>NFPA</td>
<td>National Fire Protection Agency</td>
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<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety &amp; Health</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
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<tr>
<td>NZIoC</td>
<td>New Zealand Inventory of Chemicals</td>
</tr>
<tr>
<td>NOAEL</td>
<td>No Observable Adverse Effect Level</td>
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<td>NOEC</td>
<td>No Observed Effect Concentration</td>
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<tr>
<td>OSHA</td>
<td>Occupational Safety &amp; Health Administration</td>
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<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
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SDS Number: 100000014247
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**E-III™ Aviation Grade Fire Training Fluid**

**Version 1.3**

**Revision Date** 2018-07-11

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Chemical Substances</td>
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<tr>
<td>PICCS</td>
<td>Philippines Inventory of Commercial Chemical Substances</td>
</tr>
<tr>
<td>MAK</td>
<td>Germany Maximum Concentration Values</td>
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<td>STEL</td>
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