



Company Details

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1. Product and Company Identification

<u>Trade / Commercial Name</u>	ATF DXIII		
<u>Chemical Name</u>	non-hazardous liquid, immiscible with water		
<u>Formula</u>	Mixture of mineral oil hydrocarbons and additives		
<u>Chemical Family</u>	Hydrocarbon		
<u>Synonyms</u>	N/A		
<u>Un No</u>		<u>Hazchem Code</u>	1[Z]
<u>ERG No</u>	0	<u>EAC</u>	0

2. Hazards Identification

Slippery hazard.
May burn but will not ignite readily.
Fire may produce irritating gases.
Run-off from fire control could cause pollution.
However it is an environmental pollutant if let into water drains and water bodies.
Contact could irritate eyes.

3. Composition

Hazardous Components Blend of refined mineral oils and additives.

4. First Aid Measures

<u>First Aid Skin</u>	Remove and isolate contaminated clothing and shoes. Flush skin with running water for 15 minutes.
<u>First Aid Eyes</u>	Flush eyes with water for 20 minutes Hold eyelids open while washing.
<u>First Aid Ingested</u>	Unlikely route of exposure.

if it happens, do NOT induce vomiting.

Wash out mouth with water.

Seek medical attention

First Aid Inhalation

None required at normal temperature.

In case of fumes produced during burning,
remove person to fresh air.

If not breathing give artificial respiration.

If breathing of victim is difficult, administer oxygen for a
maximum period of an hour.

5. Fire Fighting Measures

Small Fires: Dry chemical, CO₂, water spray or regular foam.

Large Fires: Water spray, fog or regular foam.

Move containers from fire area if you can do it without risk.

Do not scatter spilled material with high pressure water streams.

Dike fire-control water for later disposal.

Fire involving Tanks: Cool containers with flooding quantities of water until well after fire is out.

Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

ALWAYS stay away from the ends of tanks.

Isolate spill or leak area immediately for at least 10 to 25 metres (30 to 80 feet) in all directions.

Keep unauthorized personnel away. Stay upwind.

Wear positive pressure self-contained breathing apparatus (SCBA).

Structural firefighters' protective clothing will only provide limited protection.

If ROAD OR RAIL TANKER is involved in a fire, ISOLATE for 800 metres (1/2 mile) in all directions;

also, consider initial evacuation for 800 metres (1/2 mile) in all directions.

6. Accidental Release Measures

Breathing apparatus for fire only.

Contain (avoid spillage from entering drains or water courses).

Restrict access to area.

Remove sources of heat and flame.

SPILL OR LEAK:

Collect material for re-use or disposal.

7. Handling And Storage

Store away from sparks, flames and other sources of ignition. (E.G. welding torch).

Avoid repeated or habitual skin contact.

Wash hands after use with water.

Ensure adequate ventilation.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits Not established.

Controls The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of substance release. Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside. Supply sufficient replacement air to make up for air removed. Have a safety shower/eye wash fountain readily available in the immediate work area.

Personal Protection If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment.
RESPIRATORY PROTECTION: If process creates dust or fumes, wear NIOSH approved respirator.
PROTECTIVE GLOVES : Not required.
EYE PROTECTION : Safety Goggles if processing.

9. Physical & Chemical Properties

The data below does not constitute specifications but typical values, please refer to a batch specification for more accurate data.

APPEARANCE/ODOUR: non-hazardous liquid, immiscible with water

Physical State : RED LIQUID

Viscosity@40deg: 33-36cSt

Viscosity@100deg: 6-7.2cSt

Viscosity Index: 189

Boiling Point : N/A

Freezing Point : N/A

Density @ 20deg: 0.857

Vapour Pressure : N/A

Flash Point : 193deg

Flammable Limits: N/A

Pour Point: MAX -42ged

Flash point °C (MIN) 210

Not soluble in water.

10. Stability And Reactivity

Conditions to Avoid Stable.

Incompatible Materials No data available.

Other None

11. Toxicological Information

EFFECTS OF ACUTE EXPOSURE:

Not harmful at room temperature

However, vapours produced during strong heating or burning, may produce acute effects, especially irritation of eyes, nose and throat.

EFFECTS OF CHRONIC EXPOSURE:

No evidence that this product is a mutagen, carcinogen or teratogen.

12. Ecological Information

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of normal components and the ecotoxicology of similar products.

Mobility: Liquid under most environmental conditions. Floats on water.

If it enters soil, it will adsorb to soil particles and will not be mobile.

Persistence/degradability: Not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

Bioaccumulation: Has the potential to bioaccumulate.

Ecotoxicity: Poorly soluble mixture. Product is not chronically toxic at 1 mg/L.

May cause physical fouling of aquatic organisms.

13. Disposal Considerations

Disposal Method Product There are no uniform EC regulations for the disposal of chemicals or residues. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. Observe prevailing regulations and incinerate or deposit in land fill.

Disposal Method Packaging Disposal in accordance with local legal provisions.

14. Transport Information

<u>ERG No</u>	0	<u>Hazchem Code</u>	1[Z]
		<u>EAC</u>	0
<u>IMDG-Shipping Name</u>	NON-HAZARDOUS SUBSTANCE		
<u>IMDG Code</u>	N/A	<u>IMDG-Packaging Group</u>	N/A
<u>Marine Pollutant</u>	No		
<u>Class</u>	Non-hazardous		
<u>Subsidiary Risks</u>	None		

15. Regulatory Information

EEC Hazard Classification LOW HAZARD

<u>Risk Phases</u>	Danger of cumulative effects
<u>Safety Phases</u>	This material and its container must be disposed of in a safe way and in accordance to local regulations
<u>National Legislation</u>	Not classified as hazardous for transport (DOT, TDG,IMO/IMDG)

16. Other Information

Reason for Alteration: General update.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properness of the product.

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