

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: HUILE ESTER POUR R134a ET R404A , code 8685015

Address/Phone No. : L'UNITE HERMETIQUE
 DIRECTION COMMERCIALE
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 92502 RUEIL-MALMAISON CEDEX (FRANCE) Tél : (33) 1 - 47.08.92.10
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 38290 LA VERPILLIERE (FRANCE) Tél : (33) 74.82.24.00

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2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT DESCRIPTION

polyol ester

Contains: antioxidant and additive package

HAZARDOUS INGREDIENT(S)	CAS No.	% (w/w)	Symbol	R Phrases
Antiwear additive package		1 - 2	Xn	R48 R37

3. HAZARDS IDENTIFICATION

This health hazard assessment is based on information available on similar products.

Repeated or prolonged skin contact may result in mild irritation.

4. FIRST-AID MEASURES

Inhalation : Remove patient from exposure.
 Obtain medical attention if ill effects occur.

Skin Contact : Remove contaminated clothing.
 Wash skin with soap and water.
 If symptoms develop, obtain medical attention.

Eye Contact : Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes.
 Obtain medical attention.

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PRODUCT NAME:

Ingestion : Do not induce vomiting.
Wash out mouth with water and give 200-300 ml (half a pint) of water to drink.
Obtain medical attention.

Further Medical Treatment

Symptomatic treatment and supportive therapy as indicated.

5. FIRE-FIGHTING MEASURES

Low fire hazard. Unlikely to ignite except in high heat flux conditions. Thermal decomposition will evolve irritant vapours.

Extinguishing Media : As appropriate for surrounding materials/equipment. Use water with care to avoid possible violent production of steam.

Fire Fighting Protective Equipment : Suitable respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Do not allow to enter drains, sewers or watercourses.
Adsorb spillages onto sand, earth or any suitable adsorbent material.
Transfer to a container for disposal or recovery.

7. HANDLING AND STORAGE**7.1 HANDLING**

Avoid contact with eyes.
Avoid prolonged skin contact.
Avoid inhalation of high concentrations of mists.

Thermal decomposition will evolve irritant vapours.
Avoid inhalation of high concentrations of vapours.

7.2 STORAGE

Keep away from strong oxidising agents
Suitable containers: mild steel
Avoid ingress of moisture by keeping containers properly sealed when not in use.

Storage Temperature : ambient.
Storage Life : 2 year(s)

PRODUCT NAME:

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Good working practice suggests gloves and goggles should be worn.

Occupational Exposure Limits

HAZARDOUS INGREDIENT(S)	LTEL 8hr TWA		STEL		Time mins
	ppm	mg/m3	ppm	mg/m3	

No Occupational Exposure Limit Assigned

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Colour	: light straw
Odour	: mild
Odour Threshold (ppm)	: No data.
pH (Value)	: No data.
Boiling Point (Deg C)	: No data.
Flash Point (Deg C)	: 240 (open cup)
Flammable Limits	: No data.
Auto Ignition Temperature (Deg C)	: No data.
Explosive Properties	: Not applicable.
Oxidising Properties	: No data.
Vapour Pressure (mm Hg)	: No data.
Density (g/ml)	: 0.977
Solubility (Water)	: <1%
Solubility (Other)	: No data.
Partition Coefficient	: No data.
Pour Point (Deg C)	: -51
Kinematic Viscosity	: 33.8 cSt at 40 Deg C 6.0 cSt at 100 Deg C

10. STABILITY AND REACTIVITY

Incompatible materials: strong oxidising agents

Hazardous Decomposition Product(s) : See Section 5

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PRODUCT NAME:**11. TOXICOLOGICAL INFORMATION**

This health hazard assessment is based on information available on similar products.

- Inhalation** : High concentrations of mist may be slightly irritant to the upper respiratory tract.
Thermal decomposition will evolve irritant vapours.
- Skin Contact** : Repeated or prolonged skin contact may result in mild irritation.
By analogy with similar substances this material is unlikely to be a skin sensitiser.
- Eye Contact** : Unlikely to cause eye irritation in man.
- Ingestion** : Low oral toxicity.
- Long Term Exposure** : Short term tests and a consideration of the structure have shown that it is unlikely to be a carcinogenic hazard to man.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution
Liquid with low volatility.

Persistence and Degradation
No data.

Toxicity
This environmental hazard assessment is based on information available on similar products.
Low toxicity to fish.
Low toxicity to bacteria.

WGK 0 (self classification)

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

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PRODUCT NAME:**14. TRANSPORT INFORMATION**

Not Classified as Dangerous for Transport.

Marine Pollutant : Not classified as a Marine Pollutant

15. REGULATORY INFORMATION

Not Classified as Dangerous for Supply/Use.

16. OTHER INFORMATION

This data sheet was prepared in accordance with Directive 91/155/EEC.

Use : Lubricant

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