

Revised date 01.01.2025

MATERIAL SAFETY DATA SHEET

HFO 46

CHEMICAL PRODUCT

Corporate MSDS Number : TAB-008006
Composition : HFO 46 (100%)
Intended Use : Lubricant, Compressor Lubricant, Refrigeration Lubricant
CAS# : 68037-01-4
UN# : 2984
HS Code : 340399
Hazard : 2.1

COMPANY IDENTIFICATION

TABRIGAS Products Egypt
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Sunday - Thursday (9:00 - 17:00)
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PRODUCT USE

Lubricant Refrigerant

TRADE NAMES & SYNONYMS

HFO 46
RPAG 46
TABRIGAS HFO 146

HAZARDS IDENTIFICATION

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Label Elements

Using the toxicity data listed in section 11 & 12 the product is labeled as follows: The substance is not classified according to the OSHA Hazcom or WHMIS regulation

Other Hazards

The product contains no PBT/vPvB chemicals and no endocrine disrupting chemicals

Potential Health Effects

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FIRST AID MEASURES

General

In all cases of doubt, or when symptoms persist, seek medical attention and never give anything by mouth to an unconscious person

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth

Skin Contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleaner

Eye Contact

Irrigated copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention

Ingestion

If swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting

FIRE FIGHTING MEASURES

Extinguishing media

Recommended extinguishing media; alcohol resistant foam, Co₂, powder, water spray and don't use water

Jet**Special Hazards arising from the substance or mixture**

Hazardous decomposition: No hazardous decomposition data available

Advice for fire fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminates from firefighting to enter drains or water ways

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Put an appropriate personal protective equipment

Environmental precautions

Do not allow spills to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilets. Promptly remove soiled clothing and wash thoroughly before reuse.

Methods and material for containment & cleaning up

Ventil the area and avoid breathing vapors. Take the personal protective measures listed in (Section 8). Contains and absorb spillage with non-combustible materials e.g. sand, earth vermiculite. Place in closed containers outside buildings and dispose of according to the waste regulations

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Clean, preferably with a detergent. Don't use solvents. Don't allow spills to enter drains or water courses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In case of contamination of rivers, streams or lakes the Environmental protection agency should be also informed

HANDLING AND STORAGE

Precautions for safe handling

Handle containers carefully to prevent damage and spillage

Conditions for safe storage including any incompatibilities

No data available

EXPOSURE CONTROLS/PERSONAL PROTECTION

There are no ingredients in this product which are classified as hazardous

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Color	: Clear, colorless to pale yellow
Odor	: Characteristic
Melting Point	: Not available
Initial Boiling Point	: >260 °C (500 °F)
Flammability	: Not applicable
Flash Point	: 255 °C (437 °F)
Viscosity (cSt) @ 40 OC	: 46 ± 10%
Solubility in water	: Not Soluble
Vapor Pressure	: <0.013 kPa (0.1 mm Hg) @ 20 OC
Specific gravity	: >1 at 101 kPa (Air=1)
Vapor Density	: Not available
Density @ 20 OC (g/cm ³)	: 0.984 - 1.00
Pour Point OC (OF)	: - 57 °C (- 70 °F)

STABILITY AND REACTIVITY

Reactivity

Hazardous polymerization will not occur

Chemical stability

Stable under normal circumstances

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Incompatible materials

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No data available

Hazardous decomposition products

No hazardous decomposition data available

TOXICOLOGICAL INFORMATION

Acute toxicity

There are no ingredients in this product which are classified as hazardous

Classification	Category	Hazard Description
Acute toxicity (oral)	...	Not applicable
Acute Toxicity (dermal)	...	Not applicable
Acute Toxicity (inhalation)	...	Not applicable
Skin corrosion/irritation	...	Not applicable
Serious eye damage/irritation	...	Not applicable
Respiratory sensitization	...	Not applicable
Germ cell mutagenicity	...	Not applicable
Carcinogenicity	...	Not applicable
Reproductive toxicity	...	Not applicable
STOT-Single Exposure	...	Not applicable
STOT-Single Exposure	3	Not applicable
STOT-Repeated Exposure	...	Not applicable
Aspiration Hazard	...	Not applicable

ECOLOGICAL INFORMATION

Toxicity

No additional information provided for this product

Aquatic Ecotoxicity

There are no ingredients in this product which are classified as hazardous

Persistence & Degradability

There is no data available on the preparation itself

Bioaccumulate Potential

Not available

Mobility in Soil

No data available

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DISPOSAL CONSIDERATIONS

Waste Treatment methods

Observe all federal, provincial and local regulations when disposing of this substances

TRANSPORTATION INFORMATION

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/ATA
UN Number	Not Applicable	Not Regulated	Not Regulated
UN Proper Shipping Name	Not Applicable	Not Regulated	Not Regulated
Transport Hazard Class(es)	DOT Hazard Class Not Applicable SUB Class Not Applicable	IMDG Not Applicable SUB Class Not Applicable	AIR Class Not Applicable SUB Class Not Applicable
Packaging Group	Not Applicable	Not Applicable	Not Applicable
Environmental Hazards	Marine Pollutant No		
Special Precautions for use			

REGULATORY INFORMATION

Regulatory Overview

The regulatory data in Section 15 is not intended to be all - inclusive, only selected regulations are represented. Classification of the substance or mixture under OSHA’s Hazard Communication standard (1910.1200) revised 2004 (GHS REVISION 7)

EPCRA 302 Extremely Hazardous
No Product Ingredients Listed

EPCRA 313 Toxic Chemicals
No Product Ingredients Listed

Proposition 65 – Carcinogens (>0.0%)
No Product Ingredients Listed

Proposition 65 – Developmental Toxins (>0.0%)
No Product Ingredients Listed

Proposition 65 – Female Repro Toxins (>0.0%)
No Product Ingredients Listed

Proposition 65 – Male Repro Toxins (>0.0%)

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No Product Ingredients Listed

Proposition 65 Label Warning

None

OTHER INFORMATION

SDS Revision Date 11.19.2024

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The full text of the phrases appearing in section 3 is: N/A

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End of MSDS
(Version January 2025)

Revised date 01.01.2025

