

PRODUCT DATA SHEET HYDRAULIC 46

It is high-grade hydraulic system oils produced by mixing mineral based base oils and oxidation, rust, abrasion and anti-foam additives.Recommended for all industrial and moving hydraulic systems including high pressure.

Properties

- Prevents corrosion by protecting the system against abrasion thanks to its superior film layer.
- Ensures superior performance with its excellent lubrication properties.
- Excellent system protection and maintenance cost reduction with their oxidation,
- abrasion, rust, corrosion and anti-foam additive content.
- Thanks to its anti-foam additive content, the product prevents cavitation occurring due
- to foaming and keeps the system clean with its dispersant properties.
- Easy air and water dispersion properties.

Copper Strip Corrosion, 3 h, 100 C, Rating,

Approvals and Specifications

Denison HF-0, HF-IIDIN 51524 Part 1

- Cincinnati Machine P-68/P-69/P-70
- Eaton Vickers M-2950-S/I-286-S

• US Steel 127

TEST	METHOD	TYPICAL PROPERTIES
Density, g/cm3, at 15°C	ASTM D 4052	0,878
Brookfield Viscosity @ -20 C, mPa.s	ASTM D 2983	1950
Brookfield Viscosity @ -30 C, mPa.s	ASTM D 2983	6720
Copper Strip Corrosion, 3 h, 100 C Rating	ASTM D 130	1B
Kinematic Viscosity, cSt, at 40°C	ASTM D 445	45.4
Kinematic Viscosity, cSt, at 100°C	ASTM D 445	8.1
Viscosity Index	ASTM D 2270	139
Foam, Sequence I, Tendency/Stability, ml	ASTM D892	30/0
Foam, Sequence II, Tendency/Stability, ml	ASTM D892	30/0
Foam, Sequence III, Tendency/Stability, ml	ASTM D892	30/0
Flash Point, °C, min	ASTM D 92	238
Pour Point, °C, max	ASTM D 97	-21



HYDRAULIC OIL 46

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) Date of issue:21/07/2022 Revision date:01/02/2024

Supersedes:08/09/2023

Version: 4.3

1.1. Product identifier			
Product form	: Mixture		
Draduat nama-	: HYDRAULIC 46		
Product name	1007		
Product code	: 4007		
Product group	: Blend		
1.2. Relevant identified use	es of the substance or mixture and uses advised ag	jainst	
1.2.1. Relevant identified use	95		
Main use category	: Industrial use,Professional use,Cons	sumer use	
ndustrial/Professional use spec			
-unction or use category	Used in closed systems : Lubricants and additives		
I.2.2. Uses advised against No additional information available	hle		
1.3. Details of the supplier of			
FACO PETROL KIMYA SANAY Siteler Mah. 492	TIU. LTD. STI.		
Sokak No:1/A/14			
Aliağa/İzmir T +90 552 222 67 66			
info@cosmomotoroil.com			
.4. Emergency telephone r	number		
Emergency number	: +905522226766		
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Storage area : Store in dry, cool, well-ventilated area.	equipment : We invironmental precautions : We try to sewers and public waters. Notify au : Imp ethods and material for containment arranment : Imp or cleaning up : Det mation : Spi efference to other sections nal information available 17: Handling and storage recautions for safe handling s for safe handling s for safe handling : Avc req emperature : Wa onditions for safe storage, including and storage	athorities if product enters sewers or public waters. Ad cleaning up bound and recover large spill by mixing it with inert granular solids. ergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr. II area may be slippery. Use suitable disposal containers. bid all unnecessary exposure. Both local exhaust and general room ventilation are usual uired. D°C sh hands and other exposed areas with mild soap and water before eating, drinking obling and when leaving work. ty incompatibilities
7.3. Specific end use(s)	equipment : We invironmental precautions try to sewers and public waters. Notify au ethods and material for containment arranment inment : Import cleaning up or cleaning up : Dettermation immation : Spi eference to other sections nal information available 17: Handling and storage recautions for safe handling s for safe handling s for safe handling easures : Wa onditions for safe storage, including and personage mature : < 40	thorities if product enters sewers or public waters. Ind cleaning up bound and recover large spill by mixing it with inert granular solids. ergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr. II area may be slippery. Use suitable disposal containers. bid all unnecessary exposure. Both local exhaust and general room ventilation are usuall uired. 0 °C sh hands and other exposed areas with mild soap and water before eating, drinking of oking and when leaving work. by incompatibilities 0 °C



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SECTION 8: Exposure controls/pers	onal protection
8.1. Control parameters	
Additional information	: 5 mg/m3 for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).
8.2. Exposure controls	
Personal protective equipment	: Safety glasses. Gloves.
Hand protection	: Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm. Nitrile rubber (NBR) /
Skin and body protection	: No special clothing/skin protection equipment is recommended under normal conditions of use
Respiratory protection	: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and	d chemical properties
Physical state	: Liquid
Appearance	: Oily liquid.
Colour	: Yellow-brown.
Odour	: Characteristic.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: >210 °C @ ASTM D92
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 865 kg/m³ @15°C
Solubility	: Slightly soluble, the product remains on the water surface.
Log Pow	: No data available
Viscosity, kinematic	: 46 mm²/s @ 40°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	
No additional information available	

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
Noneı	inder normal conditions.
10.2.	Chemical stability
Stable	under normal conditions.
10.3.	Possibility of hazardous reactions
Noneu	inder normal conditions.



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10.4.	Conditions to avoid
No data	a available.
10.5.	Incompatible materials
Strong	oxidizers. acids. Bases.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological informatic	on la
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
HYDRAULIC 46	
Viscosity, kinematic	46 mm²/s @ 40°C

SECTION 12: Ecological information	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
HYDRAULIC 46 Persistence and degradability	Not soluble in water, so only minimally biodegradable.
	Not soluble in water, so only minimally blodegradable.
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessmer	nt
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Additional information	Dispose in a safe manner in accordance with local/national regulations.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA /	ADN
14.1. UN number	
Not regulated for transport	
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) : Not applicable IMDG
Transport hazard class(es) (ADR) : Not applicable IMDG : Not applicable Transport hazard class(es) (IATA) : Not applicable ACN : Not applicable Transport hazard class(es) (ADN) : Not applicable ACN : Not applicable Transport hazard class(es) (ADN) : Not applicable RID : Not applicable 74.4 Packing group (ADR) : Not applicable Packing group (ADR) : Not applicable Packing group (IMDG) : Not applicable Packing group (IMDA) : Not applicable Packing group (ADR) : Not applicable Packing group (ADN) : Not applicable Packing droup (ADN)
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Transport hazard class(es) (IATA) : Not applicable ADN . Not applicable Transport hazard class(es) (RDN) : Not applicable 144. Packing group . Not applicable Packing group (ADR) : Not applicable Packing group (MDG) : Not applicable Packing group (MDG) : Not applicable Packing group (ADR) : Not applicable Packing group (MTA) : Not applicable Packing group (ADN) : Not applicable Packing group (RDD) : Not applicable Packing group (RDN) : Not applicable Packing group (RDN) : Not applicable Packing group (RDN) : Not applicable Packing group (ADN) : No supplementary information available 14.5. Special precautions for user . Not applicable <tr< td=""></tr<>
ADN Transport hazard class(es) (ADN) : Not applicable RID Transport hazard class(es) (RID) : Not applicable 14.4 Packing group Packing group (ADR) : Not applicable Packing group (IMDG) : Not applicable Packing group (IATA) : Not applicable Packing group (ADN) : Not applicable Packing group (RID) : Not applicable Packing group (RID) : Not applicable 14.5 Environmental hazards Packing group (RID) : Not applicable Packing group (RID) : Not applicable 14.5 Environmental hazards 14.5 Special precautions for user - Overland transport No data available - Transport by sea No data available - Air transport No data available - Inland waterway transport No data available - Rail transport
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RID Transport hazard class(es) (RID) i. Not applicable 14.4. Packing group i. Not applicable Packing group (IMDG) i. Not applicable Packing group (IATA) i. Not applicable Packing group (IATA) i. Not applicable Packing group (IATA) i. Not applicable Packing group (RDN) i. No applicable Partition i. No Valation pollutant i. No Valation available i. No - Transport by sea No data available - Air transport No data available - Inland waterway
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Packing group (RID) : Not applicable 14.5. Environmental hazards
14.5. Environmental hazards Dangerous for the environment : No Marine pollutant : No Other information : No supplementary information available 14.6. Special precautions for user - Overland transport No data available - Transport by sea No data available - Air transport No data available - Inland waterway transport No data available - Inland waterway transport No data available
Dangerous for the environment : No Marine pollutant : No Other information : No supplementary information available 14.6. Special precautions for user - Overland transport No data available - Transport by sea No data available - Air transport No data available - Inland waterway transport No data available - Rail transport
Marine pollutant Other information : No 14.6. Special precautions for user - Overland transpot No data available - - Transport by sea No data available - - Air transport No data available - - Inland waterway transport No data available - - Inland waterway transport - - Rail transport -
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No data available - Inland waterway transport No data available - Rail transport
transport No data available - Rail transport
transport No data available - Rail transport
- Rail transport
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable
SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
COMAINS NO SUBSIDILE ON THE REACT CANODALE IN
Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances
Contains no REACH Annex XIV substances



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15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

abbreviatio	ns and acronyms:
	ACGIH: American Conference of Governmental Industrial Hygienists
	TWA: Time Weighted Average
	TLV: Threshold Limit Value
	ASTM: American Society for Testing and Materials
	ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route
	RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
	ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhi
	IMDG: International Maritime Dangerous Goods
	ICAO: International Civil Aviation Organization
	IATA: International Air Transport Association
	STEL: Short Term Exposure Limit
	LD50: median Lethal Dose for 50% of subjects
	ATE: acute toxicity estimate
	LC50: median Lethal Concentration for 50% of subjects
	EC50: concentration producing 50% effect

Other information

: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

SDS EU (REACH Annex II)

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