

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 5/21/2025 Revision date: 5/21/2025 Supersedes version of: 2/8/2023 Version: 6.3

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

1.1. Product identifier

Product form	: Mixture
Trade name	: Z30 Fluid
UFI	: 2H30-M0YR-J00N-HCVU
Product code	: 37022;37028

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Main use category	:	Industrial use,Professional use
Industrial/Professional use spec	:	Industrial
		For professional use only
Use of the substance/mixture	:	Corrosion inhibitors

1.3. Details of the supplier of the safety data sheet

Manufacturer

ROCOL a division of ITW Ltd Rocol House Wakefield Rd, Swillington LS26 8BS Leeds, West Yorkshire United Kingdom T +44 (0)113 232 2600 customer.service@rocol.com, www.rocol.com

1.4. Emergency telephone number

Emergency number

: +44 (0)113 232 2600

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008	[CLP]
Flammable liquids, Category 3	H226
Skin corrosion/irritation, Category 2	H315
Specific target organ toxicity – Single exposure, Category 3,	H336
Narcosis	
Aspiration hazard, Category 1	H304
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



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Signal word (CLP) Contains	GHS02 GHS07 GHS08 Danger HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS;Distillates (petroleum), hydrotreated light
Hazard statements (CLP)	 H226 - Flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. P312 - Call a POISON CENTER, doctor if you feel unwell.
2.3. Other hazards	

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS substance with a Community workplace exposure limit	CAS-No.: 64742-48-9 EC-No.: 919-857-5 REACH-no: 01-2119463258- 33	50 – 70	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated light	CAS-No.: 64742-47-8 EC-No.: 265-149-8 REACH-no: 01-2119484819- 18	10 – 15	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.4. Description of first aid

4.1. Description of first ald measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
First-aid measures after inhalation	 Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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4.2. Most important symptoms and e	fects, both acute and delayed
Symptoms/effects after inhalation Symptoms/effects after skin contact	May cause drowsiness or dizziness.Causes skin irritation.
4.3. Indication of any immediate med	ical attention and special treatment needed
No additional information available	

SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media Unsuitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.Do not use a heavy water stream.		
5.2. Special hazards arising from the su	5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard	Flammable liquid and vapour.May form flammable/explosive vapour-air mixture.		
5.3. Advice for firefighters			
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.		
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.		

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipme	ent and emergency procedures	
General measures :	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.	
For non-emergency personnel		
Emergency procedures :	Evacuate unnecessary personnel.	
For emergency responders		
Protective equipment :	Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapours/spray.	
Emergency procedures :	Ventilate area.	
6.2. Environmental precautions		

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up		
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.	
6.4. Reference to other sections		

See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable.

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	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wash hands, forearms and face thoroughly after handling.
7.2. Conditions for safe storage, including any	y incompatibilities
Technical measures :	Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
Storage conditions :	Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container tightly closed.
Incompatible products :	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight. Heat sources.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection: Chemical goggles or safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear protective gloves. Nitrile rubber gloves

Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear a respirator conforming to EN140 with Type A filter or better

Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

: Liquid

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Colour Odour Odour threshold Melting point Freezing point Boiling point Flammability Lower explosion limit Flash point Auto-ignition temperature Decomposition temperature pH Viscosity, kinematic Solubility Partition coefficient n-octanol/water (Log Kow) Vapour pressure Vapour pressure at 50°C Density Relative density Relative vapour density at 20°C	 brown. Characteristic odour. Not available Not available Not available > 150 °C Not available Not available Not available 39 °C > 200 °C Not available Not available < 20 mm²/s Not available
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stabilit	v and reactivity
	y and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information		
11.1. Information on hazard classes as def	ined in Regulation (EC) No 1272/2008	
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified : Not classified : Not classified	
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)		
LD50 oral rat	> 5000 mg/kg	

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HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)		
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
LD50 dermal rabbit	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
LD50 dermal	> 5000 mg/kg	
Distillates (petroleum), hydrotreated light (64	742-47-8)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
LC50 Inhalation - Rat	> 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 -	
Skin corrosion/irritation:Additional information:Serious eye damage/irritation:Additional information:	Causes skin irritation. Repeated exposure may cause skin dryness or cracking. Not classified Based on available data, the classification criteria are not met	
Respiratory or skin sensitisation:Additional information:Germ cell mutagenicity:Additional information:	Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met	
Carcinogenicity:Additional information:Reproductive toxicity:Additional information:	Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met	
Distillates (petroleum), hydrotreated light (64	742-47-8)	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male	
STOT-single exposure :	May cause drowsiness or dizziness.	
HYDROCARBONS, C9-C11, N-ALKANES, ISO	ALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)	
LOAEC (inhalation, rat, gas)	0	
STOT-single exposure	May cause drowsiness or dizziness.	
Distillates (petroleum), hydrotreated light (64	742-47-8)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.	
STOT-repeated exposure : Additional information :	Not classified Based on available data, the classification criteria are not met	
Distillates (petroleum), hydrotreated light (64)	742-47-8)	
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight Animal: rat, Animal sex: female	
NOAEC (inhalation, rat, vapour, 90 days)	≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)	
Aspiration hazard : May be fatal if swallowed and enters airways.		
Z30 Fluid		
Viscosity, kinematic	< 20 mm²/s	
HYDROCARBONS, C9-C11, N-ALKANES, ISO	ALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)	
Viscosity, kinematic	1.33 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'	
Hydrocarbon	Yes	

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11.2. Information on other hazards

Other information

Potential adverse human health effects and : Based on available data, the classification criteria are not met symptoms

SECTION 12: Ecological information		
12.1. Toxicity		
	Harmful to aquatic life with long lasting effects. Not classified	
	Not classified	
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)		
LC50 - Fish [1]	> 1000 mg/l	
12.2. Persistence and degradability		
Z30 Fluid		
Persistence and degradability	May cause long-term adverse effects in the environment.	
HYDROCARBONS, C9-C11, N-ALKANES, ISO/	ALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)	
Persistence and degradability	Not established.	
Distillates (petroleum), hydrotreated light (647	742-47-8)	
Persistence and degradability	Rapidly degradable	
12.3. Bioaccumulative potential		
Z30 Fluid		
Bioaccumulative potential	Not established.	
HYDROCARBONS, C9-C11, N-ALKANES, ISO/	ALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)	
Bioaccumulative potential	Not established.	
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessment		
No additional information available		
12.6. Endocrine disrupting properties		
No additional information available		
12.7. Other adverse effects		
Z30 Fluid		
Other information	Avoid release to the environment.	
HYDROCARBONS, C9-C11, N-ALKANES, ISO	ALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)	
Other information	Avoid release to the environment.	

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SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	 Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Additional information Ecological waste information	Handle empty containers with care because residual vapours are flammable.Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber			
UN 1993	UN 1993	UN 1993	UN 1993	UN 1993
14.2. UN proper shipping	g name			
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Transport document descri	iption			
UN 1993 FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS, C9- C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS), 3, III, (D/E)	UN 1993 FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS, C9- C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS), 3, III	UN 1993 Flammable liquid, n.o.s. (HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS), 3, III	UN 1993 FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS, C9- C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS), 3, III	UN 1993 FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS, C9- C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS), 3, III
14.3. Transport hazard c	lass(es)			
3	3	3	3	3
14.4. Packing group				
III	III	III	III	III
14.5. Environmental haz	ards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-E EmS-No. (Spillage): S-E	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary informatio	n available		1	

Overland transport		
Classification code (ADR)	:	F1
Special provisions (ADR)	:	274, 601
Limited quantities (ADR)	:	51
Excepted quantities (ADR)	:	E1
Packing instructions (ADR)	:	P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	:	MP19
Portable tank and bulk container instructions (ADR)	:	T4

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Portable tank and bulk container special provisions	: TP1, TP29
(ADR)	
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	30
	50
	1993
	1775
Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE
Transport by sea	
Special provisions (IMDG)	: 223, 274, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4 : TP1, TP29
Tank special provisions (IMDG)	: A
Stowage category (IMDG)	. A
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L
Inland waterway transport	
Classification code (ADN)	: F1
Special provisions (ADN)	: 274, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: F1
Special provisions (RID)	: 274, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions	: TP1, TP29
(RID)	
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30

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14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information	
Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

Full text of H- and EUH-statements:	
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.

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Full text of H- and EUH-statements:	
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

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This information is based on our current knowledge using information from our raw material suppliers and describes the product for health, safety and environmental purposes only. It should therefore not be interpreted as guaranteeing any specific property of the product. This information does not exempt the user from checking the product and in no way engages our responsibility as to the use for which it is intended.