

# 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

: Industrial use, Professional use Main use category

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

: +44 (0)113 232 2600 **Emergency number** 

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 Skin corrosion/irritation, Category 2 H315 Specific target organ toxicity – Single exposure, Category 3, H336 Narcosis

H304 Aspiration hazard, Category 1

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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GHS02 GHS07 GHS08

Signal word (CLP) : Danger

Contains : 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**

## 4.1. Description of first aid 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 effects, both acute and delayed

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Causes skin irritation.

## 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

## 5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Explosion hazard : 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 equipment 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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Precautions for safe handling : 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.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

## 7.2. Conditions for safe storage, including any 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 : brown.

Odour : Characteristic odour. Odour threshold Not available Not available Melting point Freezing point Not available Boiling point : > 150 °C Flammability Not available Lower explosion limit : Not available Upper explosion limit : Not available : 39 °C Flash point : > 200 °C Auto-ignition temperature Decomposition temperature Not available : Not available рΗ  $\cdot$  < 20 mm<sup>2</sup>/s Viscosity, kinematic Solubility Not available

Viscosity, kinematic : < 20 mm²/s
Solubility : Not available
Partition coefficient n-octanol/water (Log Kow) : Not available
Vapour pressure : Not available
Vapour pressure at 50°C : Not available
Density : Not available
Relative density : 0.81

Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

#### 9.2. Other information

No additional information available

## **SECTION 10: Stability 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 defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

### HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)

LD50 oral rat > 5000 mg/kg

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	SOALKANES, 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	(64742-47-8)
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	: Causes skin irritation.
Additional information Serious eye damage/irritation	: Repeated exposure may cause skin dryness or cracking. : Not classified
Serious eye damage/irritation Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity Additional information	<ul><li>: Not classified</li><li>: Based on available data, the classification criteria are not met</li></ul>
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Distillates (petroleum), hydrotreated light	(64742-47-8)
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,	SOALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)
LOAEC (inhalation, rat, gas)	0
STOT-single exposure	May cause drowsiness or dizziness.
Distillates (petroleum), hydrotreated light	(64742-47-8)
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
STOT-repeated exposure Additional information	<ul><li>: Not classified</li><li>: Based on available data, the classification criteria are not met</li></ul>
Distillates (petroleum), hydrotreated light	(64742-47-8)
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,	SOALKANES, 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

symptoms

: Based on available data, the classification criteria are not met

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term

(acute

: Not classified

Hazardous to the aquatic environment, long-term : Not

(chronic)

: 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, ISOALKANES, CYCLICS, < 2% AROMATICS (64742-48-9)

Persistence and degradability Not established.

## Distillates (petroleum), hydrotreated light (64742-47-8)

Persistence and degradability Rapidly degradable

## 12.3. Bioaccumulative potential

## Z30 Fluid

Bioaccumulative potential Not established.

# HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, 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, ISOALKANES, 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 : Handle empty containers with care because residual vapours are flammable.

Ecological waste information : Avoid release to the environment. Hazardous waste due to toxicity.

# **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	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	class(es)			
3	3	3	3	3
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	Dangerous for the environment: No

## 14.6. Special precautions for user

#### **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

Oranga plates

Orange plates :

30 1993

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, P001IBC packing instructions (IMDG): IBC03Tank instructions (IMDG): T4Tank special provisions (IMDG): TP1, TP29

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.

Safety Data Sheet (SDS), EU

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.