

Z30 Fluid & Spray

Waxy film for long term outdoor corrosion protection

Product Overview

ROCOL® Z30 leaves a heavy duty waxy film for corrosion protection of various machinery parts and pieces of equipment. It is particularly suitable for external conditions.

It is available in both fluid and aerosol form.

Typical Applications

Underground installations and offshore platforms, elevators, forklift trucks, machinery.

Features and Benefits

- Temperature range -20°C to +110°C.
- Heavy duty, waxy film for long term corrosion protection.
- Excellent corrosion protection outdoors for up to 2 years.
- ROCOL Z30 has good de-watering properties.
- Good penetration.
- Can provide a light lubricating film in some applications.
- Ideal for outdoor corrosion protection of exposed metal parts.
- Does not contain silicones or chlorinated solvents.

Directions for Storage and Use

- Flammable product - use only in well ventilated areas, and ensure there are no sources of ignition.
- Z30 Spray should be shaken well before use and applied from a distance of 15-30cm (6-12 inches). Invert can and spray to clear nozzle after use
- For Z30 Fluid, ensure the product is thoroughly mixed before use and ensure product remains in suspension throughout use.
- Apply by brush, dip or spray as required
- Ensure a complete and thorough coating for maximum protection.
- Z30 can be removed using a hydrocarbon solvent such as ROCOL Heavy Duty Cleaner or ROCOL Industrial Cleaner Rapid Dry Spray.
- The storage temperature should be kept below +40°C, and the storage area should be out of direct sunlight.
- Shelf life is 3 years for fluid and 4 years for aerosol from date of manufacture.

Pack Sizes

Pack Size	Part Code
300ml aerosol	37020
5L	37022
20L	37028

Z30 Fluid & Spray

Waxy film for long term outdoor corrosion protection

Property	Test Method	Result
Appearance (applied film)	Visual	Soft brown waxy film
Film Thickness	N/A	Approximately 40 – 50 microns
Odour	N/A	Cherry/Almond
Base Type	N/A	Paraffinic wax
Solvent	N/A	Hydrocarbon solvent
Propellant (Z30 Spray only)	N/A	Carbon dioxide
Temperature Range	N/A	-20°C to +110°C
Protection Period	N/A	Outdoors up to 2 years
Salt Spray Corrosion Resistance 1000 hours at 35°C	ASTM B-117	No corrosion
Humidity Cabinet Test 1000 hours at 40°C (100% RH)	ASTM D1748	No corrosion
NATO Stock Number (aerosol)	N/A	4210-99-301-4734

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

Issue: 1 Date: 01-11

T +44 (0) 113 232 2600
 F +44 (0) 113 232 2740
 E customer-service@rocol.com
www.rocol.com

ROCOL House, Swillington, Leeds LS26 8BS

Registered Company No. 559693 VAT No. 742 0531 67
 Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

ROCOL A division of *ITW* Ltd



BS EN ISO 9001
 Certificate No. FM 12448



BS EN ISO 14001
 Certificate No. EMS 67596



OHSAS 18001
 Certificate No. OHS 78173



INVESTORS
 IN PEOPLE



SAFETY DATA SHEET
Z30 FLUID

Page: 1

Compilation date: 13/08/2008

Revision No: 2

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

1.1. Product identifier

Product name: Z30 FLUID

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

1.3. Details of the supplier of the safety data sheet

Company name: ROCOL

ROCOL House

Swillington

Leeds

West Yorkshire

LS26 8BS

ENGLAND

Tel: +44 (0) 113 232 2700

Fax: +44 (0) 113 232 2740

Email: customer-service@rocol.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 113 232 2600

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: -: R10; Xn: R65

Most important adverse effects: Flammable. Harmful: may cause lung damage if swallowed.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: Harmful.



Risk phrases: R10: Flammable.

R65: Harmful: may cause lung damage if swallowed.

Safety phrases: S51: Use only in well-ventilated areas.

S23: Do not breathe vapour.

S24/25: Avoid contact with skin and eyes.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

[cont...]

SAFETY DATA SHEET

Z30 FLUID

Page: 2

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

EINECS	CAS	CHIP Classification	CLP Classification	Percent
265-150-3	64742-48-9	-: R10; Xn: R65; -: R66	-	50-70%

KEROSENE, SOLVENT NAPHTHA

265-191-7	64742-88-7	Xi: R38; Xn: R65; -: R52/53	-	10-30%
-----------	------------	-----------------------------	---	--------

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. May cause dizziness.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use water spray to cool containers. Alcohol resistant foam. Dry chemical powder.
Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

SAFETY DATA SHEET

Z30 FLUID

Page: 3

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Do not handle in a confined space.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1000mg/m ³	-	-	-

KEROSENE, SOLVENT NAPHTHA

UK	5mg/m ³	10mg/m ³	-	-
----	--------------------	---------------------	---	---

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not normally required.

Hand protection: Protective gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

[cont...]

SAFETY DATA SHEET

Z30 FLUID

Page: 4

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Brown

Odour: Characteristic odour

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: Non-viscous

Boiling point/range°C: > 150

Flammability limits %: lower: 0.6

upper: 7

Flash point°C: 40

Autoflammability°C: > 200

Relative density: 0.81

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Heat. Direct sunlight.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: Not applicable.

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. May cause dizziness.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

[cont...]

SAFETY DATA SHEET

Z30 FLUID

Page: 5

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable.

12.2. Persistence and degradability

Persistence and degradability: Only slightly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Volatile. Readily absorbed into soil. Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1993

14.2. UN proper shipping name

Shipping name: FLAMMABLE LIQUID, N.O.S.
(HYDROGENATED HYDROCARBON)

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

[cont...]

SAFETY DATA SHEET

Z30 FLUID

Page: 6

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: EC Directive 1999/45/EC relating to the classification, packaging and labelling of dangerous preparations.

EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations.

Phrases used in s.2 and 3: R10: Flammable.

R38: Irritating to skin.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.