

HEAVY DUTY CLEANER Fluid

Water emulsifiable cleaner

Product Overview

ROCOL® HEAVY DUTY CLEANER Fluid is a powerful non-evaporating solvent based cleaner suitable for use in most general industrial environments.

ROCOL HEAVY DUTY CLEANER Fluid penetrates and loosens workplace grime, grease and dirt allowing the contamination to be wiped away.

Alternatively, ROCOL HEAVY DUTY CLEANER Fluid can be easily washed or hosed away with water as grease and oil residues are emulsified for easy removal.

ROCOL HEAVY DUTY CLEANER Fluid is also available in a 300 ml aerosol as HEAVY DUTY CLEANER Spray with a ROCOL part code: 34011.

Typical Applications

- ROCOL HEAVY DUTY CLEANER Fluid is a powerful cleaner for applications such as:
 - Industrial machinery and components
 - Flooring, concrete, paving etc.

Features and Benefits

- ROCOL HEAVY DUTY CLEANER Fluid is a heavy duty, non-evaporating cleaner designed to penetrate and remove the heaviest deposits of industrial grime, grease and dirt.
- ROCOL HEAVY DUTY CLEANER Fluid is water emulsifiable to allow residues to be easily washed off or hosed down.

Directions for Storage and Use

- Shake the container before use.
- Always test the compatibility of ROCOL HEAVY DUTY CLEANER Fluid with plastics, rubbers, painted or coated surfaces prior to application.
- ROCOL HEAVY DUTY CLEANER Spray can be applied manually by rag or brush. Alternatively, it can be applied by a spray system suitable for use with hydrocarbon solvents.
- Allow time for the solvent to penetrate into heavier contamination (typically several minutes).
- A second application of ROCOL HEAVY DUTY CLEANER Fluid may be necessary for heavy or stubborn deposits.
- The cleaning operation may be enhanced by working the solvent into the contamination using a brush or cloth.
- Flammable - Use only in well ventilated areas and do not apply to very hot surfaces.
- Store below +50°C, out of direct sunlight.
- Shelf life is 2 years from date of manufacture.
- Consult safety data sheet before use.

Pack Sizes

Pack Size	Part Code
5L	34014

HEAVY DUTY CLEANER Fluid

Water emulsifiable cleaner

Property	Test Method	Result
Appearance	Visual	Colourless liquid
Solvent	N/A	Heavy duty hydrocarbon
Odour	N/A	Characteristic
Flash Point (°C)	PMCC	<0°C
Density (kg/m ³)	RTM 3	0.81

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: 03-11

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ROCOL A division of *ITW* Ltd



BS EN ISO 9001
Certificate No. FM 12448



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Certificate No. OHS 78173



INVESTORS
IN PEOPLE



SAFETY DATA SHEET
HEAVY DUTY CLEANER FLUID

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

1.1. Product identifier

Product name: HEAVY DUTY CLEANER 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; -: R66

Most important adverse effects: Flammable. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: Harmful.



Risk phrases: R10: Flammable.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

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

S24: Avoid contact with skin.

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

[cont...]

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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:

ODOURLESS KEROSENE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
265-149-8	64742-47-8	Xn: R65; -: R66	-	>90%

PROPAN-2-OL

200-661-7	67-63-0	F: R11; Xi: R36; -: R67	-	1-10%
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ETHOXYLATED ALCOHOLS

-	68131-39-5	Xi: R41; N: R50	-	1-10%
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FATTY ETHANOLAMIDE

271-657-0	68603-42-9	Xi: R38; Xi: R41	-	1-10%
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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.

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5.2. Special hazards arising from the substance or mixture

Exposure hazards: Forms explosive air-vapour mixture. 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.

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: Do not use equipment in clean-up procedure which may produce sparks. 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. Smoking is forbidden.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight. Ensure lighting and electrical equipment are not a source of ignition.

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:

[cont...]

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ODOURLESS KEROSENE

Workplace exposure limits:

Respirable dust

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

PROPAN-2-OL

UK	999 mg/m ³	1250 mg/m ³	-	-
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8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Respiratory protection not normally required.

Hand protection: Protective gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Boiling point/range°C: > 150

Melting point/range°C: < 0

Flash point°C: 28

Autoflammability°C: > 200

Relative density: 0.8

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

[cont...]

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10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Heat. Sources of ignition.

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.

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. Soluble 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.

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Section 14: Transport information

14.1. UN number

UN number: UN1993

14.2. UN proper shipping name

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

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

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.

R11: Highly flammable.

R36: Irritating to eyes.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

R50: Very toxic to aquatic organisms.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive

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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.