

1. Identification of the substance/preparation and of the company/undertaking

Product name Rustilo DWX 32
SDS # UK-8332
Product Use Rust preventive.
Supplier Castrol (U.K.) Limited
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2. Composition/information on ingredients

Hydrocarbon solvent, film forming corrosion preventives and additives.

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
Low boiling point hydrogen treated naphtha (white spirit)	64742-82-1	50 - 100	265-185-4	R10 Xn; R65 R66, 67 N; R51/53
Barium long chain alkaryl sulphonate	93028-28-5	1 - 5	296-719-4	Xn; R20/22
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	1 - 5	203-961-6	Xi; R36

See Section 16 for the full text of the R Phrases declared above

Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

This preparation is classified as dangerous according to Directive 1999/45/EC as amended and adapted.

Physical/chemical Hazards	Flammable.
Human health hazards	Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness Residual film: Harmful by inhalation and if swallowed.
Environmental hazards	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Effects and symptoms	
Eyes	May cause eye irritation.
Skin	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.
Inhalation	Vapors and aerosol can produce mucous membrane, nose and throat irritator Vapours may cause drowsiness and dizziness
Ingestion	Ingestion may cause gastrointestinal irritation and diarrhoea. Aspiration hazard if swallowed -- harmful or fatal if liquid is aspirated into lungs

4. First-aid measures

Eye Contact	In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin contact	Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
Ingestion	If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed- can enter lungs and cause damage. Obtain medical attention.

5. Fire-fighting measures

Extinguishing Media

Suitable In case of fire, use water fog, foam, dry chemical or CO2 extinguisher or spray. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Not Suitable Do not use water jet.

Hazardous decomposition products These products are carbon oxides (CO, CO2), sulphur oxides (SO2, SO3, etc.). Some metallic oxides.

Unusual fire/explosion Hazards This material is combustible/flammable and is sensitive to fire, heat, and static discharge.

Special fire-fighting procedures None identified.

Protection of fire-fighters Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear. Firefighters' protective clothing will provide limited protection. **DO NOT FIGHT FIRE WHEN IT REACHES MATERIAL.** Withdraw from fire and let it burn. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. First move people out of line-of-sight of the scene and away from windows.

Fire Hazards in Presence of Various Substances Flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

6. Accidental release measures

Personal Precautions Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5). Do not touch or walk through spilled material.

Environmental precautions and cleanup methods If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Vapour respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

7. Handling and storage

Handling Aspiration hazard if swallowed- can enter lungs and cause damage. Do not ingest. If ingested do not induce vomiting. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling.

Storage Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

8. Exposure controls/personal protection

Ingredient Name

Low boiling point hydrogen treated naphtha (white spirit)

Highly refined mineral oil

Occupational Exposure Limits

EH40-OES (United Kingdom (UK)).

TWA: 600 mg/m³

EH40-OES (United Kingdom (UK)).

TWA: 5 mg/m³ Form: Oil mist, mineral

STEL: 10 mg/m³ Form: Oil mist, mineral

Control Measures Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Hygiene measures Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Personal protective equipment

Respiratory system Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Skin and body Avoid contact with skin. Wear clothing and footwear that cannot be penetrated by chemicals or oil.

Hands Wear gloves that cannot be penetrated by chemicals or oil.

Eyes Safety glasses with side shields.

9. Physical and chemical properties

Autoignition temperature	>200 °C
Flash point	40 °C (CLOSED CUP)
Explosion Limits	LOWER: 0.6 % UPPER: 8 %
Colour	Brown.
Odour	Solvent.
Odour threshold	Not available.
Physical state	Liquid.
Boiling point / range	150 °C
Density	<1 g/cm ³
Vapour pressure	2.625 mmHg
Solubility	Insoluble in cold water, hot water.
Viscosity	kinematic at 40°C: <7 cSt

10. Stability and reactivity

Conditions to Avoid	Keep away from sources of ignition.
Incompatibility with Various Substances	Reactive with oxidizing agents.
Hazardous Polymerization	Will not occur.

11. Toxicological information

Chronic toxicity	
Carcinogenic effects	No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC) or the European Commission (EC).

12. Ecological information



Persistence/degradability	Inherently biodegradable
Mobility	Volatile. Liquid. Insoluble in water
Bioaccumulative potential	This product may bioaccumulate through food chains in the environment.
Environmental hazards	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.



13. Disposal considerations

Disposal Consideration / Waste information	Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities.
Hazardous Waste	This product is listed as Hazardous by the EU Directive on hazardous waste. Dispose of according to all national and local applicable regulations.

14. Transport information

International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Classification	UN1300	Turpentine substitute mixture	3	III		Hazard identification number 30 CEPIC Tremcard Number: 30G35 Hazchem Code 3Y
ADN Classification	UN1300	Turpentine substitute mixture	3	III		-

IMDG Classification	UN1300	Turpentine substitute mixture	3	III		Emergency Schedules (EmS) 3-07 Marine pollutant IMDG Class: Marine Pollutant. (Pollutant.)
IATA Classification	UN1300	Turpentine substitute mixture	3	III		-

15. Regulatory information

Label Requirements

Hazard symbol(s)



Harmful



Dangerous for the environment.

Indication of Danger

Risk Phrases

R10- Flammable.
R65- Harmful: may cause lung damage if swallowed.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S23- Do not breathe vapour or spray.
S24/25- Avoid contact with skin and eyes.
S43- In case of fire, use CO2/dry powder/foam - Never use water..
S51- Use only in well-ventilated areas.
S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.
S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains

Low boiling point hydrogen treated naphtha (white spirit)

EU Regulations

Classification and labeling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.

Other Regulations

Inventories

AUSTRALIAN INVENTORY (AICS): Not determined

CANADA INVENTORY (DSL): Not determined.

CHINA INVENTORY (IECS): Not determined.

EC INVENTORY (EINECS): In compliance.

JAPAN INVENTORY (ENCS): Not determined.

KOREA INVENTORY (ECL): Not determined.

PHILIPPINE INVENTORY (PICCS): Not determined.

US INVENTORY (TSCA): Not determined.

16. Other information

Full text of R-phrases appearing in section 2

R10- Flammable.
R20/22- Harmful by inhalation and if swallowed.
R65- Harmful: may cause lung damage if swallowed.
R36- Irritating to eyes.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HISTORY

Date of issue

30/07/2002.

Date of previous issue

No Previous Validation.

Prepared by

Product Stewardship

Notice to Reader

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Version 1

Date of issue 30 July 2002

Format United Kingdom (UK)

Language

(ENGLISH)

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken

Further copies of this Safety Data Sheet may be obtained from Castrol.

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