

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

Product name	Rustilo DWX 32
SDS no.	451220
Historic SDS no.	UK-8332
Use of the substance/preparation	Rust preventive. For specific application advice see appropriate Technical Data Sheet or consult our company representative.
Supplier	Castrol (U.K.) Limited Wakefield House Pipers Way Swindon Wiltshire, SN3 1RE United Kingdom Tel.: +44 (0)1793 512712 Fax.: +44 (0)1793 486083
EMERGENCY TELEPHONE NUMBER	Carechem: +44 (0) 208 762 8322
E-mail address	MSDSadvice@bp.com

2. 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.
Environmental hazards	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

3. 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, R67 N; R51/53
Barium sulphonate	proprietary	1 - 5		Xn; R20/22
Sodium sulphonate	68608-26-4	1 - 5	271-781-5	Xi; R36
2-(2-butoxyethoxy)ethanol	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 limits, if available, are listed in section 8.

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. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention immediately.
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.

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5. Fire-fighting measures

Extinguishing media

Suitable

In case of fire, use water fog, foam, dry chemical or carbon dioxide 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

Decomposition products may include the following materials:

carbon oxides
sulfur oxides
metal oxide/oxides

Unusual fire/explosion hazards

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.

Special fire-fighting procedures

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.

Protection of fire-fighters

Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Large spill

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Small spill

Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

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

Occupational exposure limits

Low boiling point hydrogen treated naphtha (white spirit)

EH40 (United Kingdom (UK)).

TWA: 350 mg/m³ 8 hour(s).

2-(2-butoxyethoxy)ethanol

EU OEL (Europe, 5/2006).

short term: 101.2 mg/m³ 15 minute(s).

short term: 15 ppm 15 minute(s).

8 hours: 67.5 mg/m³ 8 hour(s).

8 hours: 10 ppm 8 hour(s).

Base oil - unspecified

EH40 (United Kingdom (UK)).

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

STEL: 10 mg/m³ 15 minute(s). Form: Oil mist, mineral

ACGIH TLVs

Low boiling point hydrogen treated naphtha (white spirit)

ACGIH (United States).

TWA: 100 ppm 8 hour(s).

Base oil - unspecified

ACGIH (United States).

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

STEL: 10 mg/m³ 15 minute(s). Form: Oil mist, mineral

Where there are no regulatory exposure limits, for information and guidance, the ACGIH values are included.

For further information on these please consult your supplier.

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Whilst specific OELs for certain components may be shown in this section, other components may be present in any mist, vapour or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

Exposure controls

Occupational exposure controls

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Personal protective equipment

Respiratory protection

Use only with adequate ventilation.
In case of insufficient ventilation, wear suitable respiratory equipment.
Recommended: half-face mask - organic vapor filter (Type A).
The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Hand protection

Wear suitable gloves. Chemical resistant gloves. Recommended: nitrile gloves
The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Eye protection

Safety glasses with side shields.

Skin and body

Avoid contact with skin. Wear suitable protective clothing.

9 . Physical and chemical properties

General information

Appearance

Physical state

Liquid.

Colour

Brown.

Odour

Solvent.

Important health, safety and environmental information

Flash point

Closed cup: 40°C (104°F)

Auto-ignition temperature

>200°C (>392°F)

Explosion limits

Lower: 0.6%
Upper: 8%

Vapour pressure

0.349 kPa (2.625 mm Hg)

Viscosity

Kinematic: <7 mm²/s (<7 cSt) at 40°C

Boiling point / range

150°C (302°F)

Density

<1000 kg/m³ (<1 g/cm³) at 20°C

Solubility

Insoluble in water.

10 . Stability and reactivity

Stability

The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.

Conditions to avoid

Avoid all possible sources of ignition (spark or flame). High temperatures

Materials to avoid

Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition products

Combustion products may include the following:
carbon oxides
sulfur oxides
metal oxide/oxides

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 . Toxicological information

Chronic toxicity

Chronic effects

Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Effects and symptoms

Eyes

May cause eye irritation.

Skin

Slightly irritating to the skin. Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

Inhalation

Vapours and aerosol can produce mucous membrane, nose and throat irritation.
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.

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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 The generation of waste should be avoided or minimised wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Unused product

European waste catalogue (EWC) 14 01 03 other solvents and solvent mixes





Packaging

European waste catalogue (EWC) 15 01 10* packaging containing residues of or contaminated by dangerous substances

However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

14 . Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	PG*	Label	Additional information
ADR/RID Classification	UN1300	Turpentine substitute mixture	3	III		Hazard identification number 30 CEPIC Tremcard 30GF1-III
ADNR Classification	UN1300	Turpentine substitute mixture	3	III		-
IMDG Classification	UN1300	TURPENTINE SUBSTITUTE mixture. Marine pollutant (Low boiling point hydrogen treated naphtha (white spirit))	3	III		Emergency schedules (EmS) F-E, S-E Marine pollutant Marine pollutant (P)
IATA/ICAO Classification	UN1300	TURPENTINE SUBSTITUTE mixture	3	III		-

PG* : Packing group

UK Emergency Action Code: 3Y

ADR Classification code F1

15 . Regulatory information

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

Label requirements

Hazard symbol or symbols



Harmful



Dangerous for the environment

Indication of danger

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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, never use water. S51- Use only in well-ventilated areas. S61- Avoid release to the environment. Refer to special instructions/safety data sheet. 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)	265-185-4
Other regulations		
Inventories	Europe inventory: All components are listed or exempted. United States inventory (TSCA 8b): Not determined. Australia inventory (AICS): Not determined. Canada inventory: Not determined. China inventory (IECSC): All components are listed or exempted. Japan inventory (ENCS): Not determined. Korea inventory (KECI): Not determined. Philippines inventory (PICCS): Not determined.	

16 . Other information

Full text of R-phrases referred to in sections 2 and 3	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.
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History	
Date of issue	20/09/2007.
Date of previous issue	No Previous Validation.
Prepared by	Product Stewardship Group
Notice to reader	

 Indicates information that has changed from previously issued version.

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

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