

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code(s)	66232
Product Name	Rust-Veto 232
Product Registration number	
Denmark	-
Norway	-

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

Recommended use anticorrosion, solvent based, Metalworking fluid.

Uses advised against Any other purpose.

1.3. Details of the supplier of the safety data sheet

Manufacturer, Importer, Supplier

Houghton plc
Beacon Road
Trafford Park
Manchester
M17 1AF
Tel: +44 (0)161 874 5000

E-mail Address MSDS@uk.houghtonglobal.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 161 874 5000 (9 - 5)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

R10 - Flammable
R36 - Irritating to eyes
R66 - Repeated exposure may cause skin dryness or cracking

2.2. Label Elements

Symbol(s)

Xi - Irritant



R-phrases(s)

R10 - Flammable
 R36 - Irritating to eyes
 R66 - Repeated exposure may cause skin dryness or cracking

S-phrases(s)

S 7 - Keep container tightly closed
 S 9 - Keep container in a well-ventilated place
 S16 - Keep away from sources of ignition - No smoking
 S33 - Take precautionary measures against static discharges

2.3. Other hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
Naphtha (petroleum), hydrotreated heavy	265-150-3	64742-48-9	50% - 100%	Xn;R65 R66	Asp. Tox. 1 (H304) (EUH066)	01-2119457273-39-xxxx
Paraffin waxes and Hydrocarbon waxes, oxidized, calcium salts	270-701-6	68476-81-3	25% - 50%	Xi;R36	Eye Irrit. 2 (H319)	no data available
Solvent naphtha (petroleum), medium aliph.	265-191-7	64742-88-7	2.5% - 10%	R10 Xn;R20	Acute Tox. 4 (H332)	no data available

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1. Description of first-aid measures

General advice	Do not get in eyes, on skin, or on clothing. When symptoms persist or in all cases of doubt seek medical advice.
Inhalation	Move to fresh air.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice.
Protection of First-aiders	Remove all sources of ignition Use personal protective equipment

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

Main Symptoms Itching, rash, Redness, Eye damage/irritation

4.3. Indication of immediate medical attention and special treatment needed

Notes to physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment: Use CO2, dry chemical, or foam, Water spray or fog. Cool containers / tanks with water spray

Extinguishing media which shall not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire

5.2. Special hazards arising from the substance or mixture

Special Hazard

Flammable: Risk of ignition. In the event of fire and/or explosion do not breathe fumes

Hazardous Decomposition Products

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition, Ensure adequate ventilation, Use personal protective equipment

Advice for non-emergency personnel

Eliminate all ignition sources if safe to do so Material can create slippery conditions

Advice for emergency responders For personal protection see section 8

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so, Prevent product from entering drains, Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dike to collect large liquid spills.

6.4. Reference to other sections

See Section 8/12/13 for additional information

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials Strong oxidizing agents, Strong acids, Strong bases

7.3. Specific end uses

Specific use(s) anticorrosion, solvent based, Metalworking fluid.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	The United Kingdom	France	Spain	Germany
Naphtha (petroleum), hydrotreated heavy	-	-			MAK: 50 ppm MAK: 300 mg/m ³ Ceiling / Peak: 100 ppm Ceiling / Peak: 600 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Naphtha (petroleum), hydrotreated heavy			NDSch: 900 mg/m ³ NDS: 300 mg/m ³		

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye Protection Safety glasses with side-shields. If splashes are likely to occur, wear:: Tightly fitting safety goggles

Hand Protection Protective gloves. Barrier cream. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Skin and body protection Wear fire/ flame resistant/ retardant clothing. Long sleeved clothing. Apron.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hygiene measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls Do not allow material to contaminate ground water system
Thermal hazards None under normal use conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state @20°C	liquid	Appearance	brown
Odor	Solvent	Odor Threshold	Not applicable
<u>Property</u>	<u>Values</u>		<u>Note</u>
pH	Not applicable		
Melting/freezing point	No information available		
Boiling point/boiling range	No information available		
Flash Point	50 °C		Cleveland Open Cup (COC)
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
upper flammability limit	No information available		
lower flammability limit	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Relative density	No information available		
Water Solubility	Immiscible in water		
Solubility in other solvents	No information available		
Partition coefficient: n-octanol/water	Not applicable		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Viscosity, kinematic	29 cSt @ 40 °C		ISO 3104 ISO 3105
Explosive properties	Not applicable		
Oxidizing Properties	Not applicable		
<u>Other information</u>			
VOC Content	0 - 68%		

10. STABILITY AND REACTIVITY

10.1. Reactivity

None under normal use conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None under normal use conditions

10.4. Conditions to avoid

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity

10.5. Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases

10.6. Hazardous decomposition products

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects**Product Information - Principle Routes of Exposure**

Inhalation	None known; LC50>5mg/l/4h (rat)
Eye contact	Irritating to eyes. If the liquid is splashed into the eye, it can cause reversible irritation and damage.
Skin contact	Repeated exposure may cause skin dryness or cracking
Ingestion	None known; LD50>2000 mg/kg (rat)

Acute toxicity - Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Naphtha (petroleum), hydrotreated heavy	5000 mg/kg (Rat)	3160 mg/kg (Rabbit)	-
Solvent naphtha (petroleum), medium aliph.	5000 mg/kg (Rat)	5000 mg/kg (Rabbit)	5.28 mg/L (Rat) 4 h

Irritation	Irritating to eyes
Corrosivity	None known
Sensitization	None known
Repeated Dose Toxicity	Repeated exposure may cause skin dryness or cracking
Carcinogenicity	None known
Mutagenicity	None known
Toxicity to Reproduction	None known

12. ECOLOGICAL INFORMATION

12.1. Toxicity**Ecotoxicity effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Naphtha (petroleum), hydrotreated heavy	-	2200: 96 h Pimephales promelas mg/L LC50	-	2.6: 96 h Chaetogammarus marinus mg/L LC50

Solvent naphtha (petroleum), medium aliph.	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	-	100: 48 h Daphnia magna mg/L EC50
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12.2. Persistence and degradability

The product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely

12.4. Mobility in soil

The product is insoluble and floats on water.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products Dispose of as hazardous waste in compliance with local and national regulations

Special risks and unsuitable means when handling product waste/waste packaging None

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal

Other information According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

14.1. UN-Number

UN1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S.

(SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH)

14.3. Transport hazard class

3

14.4. Packing group

III

14.5. Environmental Hazards

None

14.6. Special precautions for users

None

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

IMDG/IMO

Proper shipping name	FLAMMABLE LIQUID, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH)
Hazard class	3
UN No.	UN1993
Packing Group	III
EmS No.	F-E, S-E
Marine Pollutant	NP
Description	UN1993, FLAMMABLE LIQUID, N.O.S (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.), 3, PG III, (50°C C.C.)

ADR/RID

Proper shipping name	FLAMMABLE LIQUID, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH)
Hazard class	3
UN No.	UN1993
Packing group	III
Classification Code	F1
Description	UN1993, FLAMMABLE LIQUID, N.O.S (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.), 3, PG III, (D/E)
ADR/RID-Labels	3
Tunnel Restriction Code	(D/E)

ICAO/IATA

UN No.	UN1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH)
Hazard class	3
Packing group	III
ERG Code	3L
Description	UN1993, FLAMMABLE LIQUID, N.O.S (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.), 3, PG III

15. REGULATORY INFORMATION

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

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values .

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

Take note of Dir 94/33/EC on the protection of young people at work.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 & (EC) No. 1272/2008 & (EC) 1999/45. Acts of Parliament: The Health and Safety at Work etc. Act 1974. Environment Protection Act 1990
Statutory Instruments: Control of Substances Hazardous to Health Regulations 2002. Chemicals (Hazard Information and Packaging) Regulations 2009
The Carriage of Dangerous Goods Regulations 2009
The Hazardous Waste (England and Wales) Regulations 2005
Workplace exposure limits (EH40)
The classification detailed on this Safety Data Sheet refer to the neat material only. Dilution of the product may reduce the classification.

15.2. Chemical Safety Assessment

No information available

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R66 - Repeated exposure may cause skin dryness or cracking

R65 - Harmful: may cause lung damage if swallowed

R36 - Irritating to eyes

R10 - Flammable

R20 - Harmful by inhalation

Full text of H-Statements referred to under sections 2 and 3

H304 - May be fatal if swallowed and enters airways

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

EUH066 - Repeated exposure may cause skin dryness or cracking

Exposure scenario

No information available

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Revision Note Not applicable.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.