

SAFETY DATA SHEET

Revision Date: 06-17-2015 Version 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE **COMPANY/UNDERTAKING**

Product identifier

Product Code(s): 21010035-M Product Code(s) (DE): - 75740000 Product Code(s) (ES): - 105380

Product Name RUST VETO WE 35

Product Registration number

Denmark Norway Sweden

EC#

Pure substance/preparation Contains 2-(2-Aminoethoxy)ethanol

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

Metalworking fluid, Rust Preventative Recommended use

Uses advised against Any other purpose.

1.3. Details of the supplier of the safety data sheet

Manufacturer, Importer, Supplier

Houghton plc Houghton S.A.S. 604 Bd Albert Camus, Beacon Road Trafford Park BP 60041

Manchester 69652 Villefranche sur saone

M17 1AF France

Tel: +44 (0)161 874 5000 Tel: (0) 4 74 65 65 00 E-mail: MSDS@uk.houghtonglobal.com Fax. (0) 4 74 60 08 44

msds.es@houghtonintl.com Houghton Deutschland GmbH Houghton Benelux

Giselherstr. 57. D-44319. Dortmund

ITALY Deutschland

Tel: +49 (0) 231/9277-0. Fax: +49 (0)231/9277-120 Fax: (+39) 0116472778. MSDS@houghtonintl.com ITTN-MSDS@houghtonintl.com

Houghton Sverige AB La Cours Gata 4 252 31 Helsingborg

Sverige Tel: +46 42 29 55 10

E-mail: info.se@houghtonintl.com

Ragione Sociale: Houghton Italia S.p.A. Indirizzo: Via Postiglione, 30

10024 Moncalieri (TO)

Telefono: (+39) 011 6475811.

Houghton Polska SP z.o.o

UlKapelanka 17 30-347 Krakow Poland +48 122665240 info@houghton.com.pl HOUGHTON EUROPE N.V Sivuliike Suomessa

Lautamiehentie 3 02770 ESPOO Puh. 00-8596 395 Fax. 09-8596 396 LY: 1957249-8

Houghton Iberica S.A.

Barcelona

SPAIN

08210 Barbera del Valles

Tel: +(34 93) 718 85 00

Fax: +(34 93) 718 93 00

Telefoon: +31 162458400

Fax: +31 162 458205

Pol. Ind. Can Salvatella-TorreMateu

Meerpaal 12 A. NL - 4904.SK Oosterhout.

Email: customerservice.nl@houghtonintl.com

E-mail: info@houghton.fi

Revision Date: 06-17-2015

Houghton Danmark A/S Mento AS Houghton Ukraine Ltd Energivej 3 DK-4180 Sorø Ukraine, Kiev 04213 Kontinentalveien Postboks 44 13, Prirechnaya St. Phone: +38 (044) 360-10-24 4098 Tananger Danmark Tel: +45 45 85 23 00 Norway Fax: +38 (044) 426-27-76

Tel: +47 51 64 86 00 E-mail: houghton@houghton.dk www.Mento.no

Houghton CZ s.r.o. Houghton Romania Houghton Kimya San. A.Ş Bartošova 3 2A, Jiului Street Kosuyolu Mah 602 00 Brno 4th Floor / Room 2 Asma Dall Sok 013219 Bucharest No: 1434718 Kadıköy Czech Republic Phone: +420 542 213 332 Phone: +40 21 667 06 15 İstanbul

Türkiye office@houghton.cz Fax: +40 21 667 09 70 Phone Number: +90 216 325 15 15

1.4. Emergency telephone number

3E Company: (+)1 760 476 3961 (Code 333938)

Notfall-Telefonnummer +43 (0) 1 406 4343			
Telefoonnummer voor +32 (0)70 245 245			
Телефон за спешни случаи +359 2 9154 409			
Telefon za izvanredna stanja +385 1 2348 342			
Telefonní číslo pro naléhavé situace +420 224 919 293			
Ring til Giftlinjen på +45 82 12 12 12			
Mürgistusteabekeskuse +372 626 93 90			
Hätäpuhelinnumero +358 09 471 977			
Numéro d'appel d'urgence +33 (0)1 45 42 5959			
Díjmentesen hívható zöld szám +36 80 20 11 99			
Emergency telephone number +353 01 809 2166			
Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs +371 6704 2473			
Neatideliotina informacija apsinuodijus +370 5 236 20 52			
Telefoonnummer voor +31 30 274 88 88			
Nødnummer +47 22 59 13 00			
112			
Número de telefone de emergência +351 808 250 143			
Număr de telefon care poate fi apelat în caz de urgență +021 318 36 06 (08:00-15:00)			
Národné toxikologické informačné centrum +421 2 5477 4166			
Número de teléfono de emergencia +34 91 562 0420			
Telefonnummer för nödsituationer +46 08 33 12 31 (09:00-17:00)			
145; 041 44 251 51 51 (www.toxi.ch)			
(+)1 760 476 3959 (Code 333938)			

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)

2.2. Label Elements

Contains 2-(2-Aminoethoxy)ethanol



Signal Word DANGER

Hazard Statements

H315 - Causes skin irritation

H318 - Causes serious eye damage

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P264 - Wash face, hands and any exposed skin thoroughly after handling

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P362 - Take off contaminated clothing and wash before reuse

2.3. Other hazards

No information available

- 0.099 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 1.099 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 4.099 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 4.099 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 4.099 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances / 3.2. Mixtures

This product is a mixture. Health hazard information is based on its ingredients

Chemical Name	EC-No	CAS-No	Weight %	Classification (Reg. 1272/2008)	REACH Registration Number
Paraffin waxes and Hydrocarbon waxes	232-315-6	8002-74-2	2.5% - 10%	**	01-2119488076-30-xxx x
2-(2-Aminoethoxy)ethanol	213-195-4	929-06-6	2.5% - 10%	Skin Corr. 1B (H314) Met. Corr. 1 (H290)	01-2119520701-52-xxx x
Alcohols, C12-15-branched and linear, ethoxylated propoxylated	-	120313-48-6	0% - 1%	Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	no data available

^{**} Substances for which there are Community workplace exposure limits

Full text of H- and EUH-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first-aid measures

General advice Do not get in eyes, on skin, or on clothing. Immediate medical attention is required.

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 Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial

flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not

Revision Date: 06-17-2015

rub affected area. Seek immediate medical attention/advice.

Ingestion Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting

without medical advice.

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

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

4.3. Indication of immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

SECTION 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

Extinguishing media which shall not be used for safety reasons

None

5.2. Special hazards arising from the substance or mixture

Special Hazard

Water runoff can cause environmental damage.

Hazardous Decomposition Products

None under normal use

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Advice for non-emergency

personnel

Evacuate personnel to safe areas. 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. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

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. After cleaning, flush away traces with water.

6.4. Reference to other sections

See Section 8/12/13 for additional information

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Advice on safe handling. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep container tightly closed in a dry and well-ventilated place.

Recommended Shelf Life

No information available.

Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases

7.3. Specific end uses

Specific use(s)

Metalworking fluid, Rust Preventative

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain
Paraffin waxes and Hydrocarbon waxes		STEL: 6 mg/m³ TWA: 2 mg/m³	VME: 2 mg/m ³	TWA: 2 mg/m ³

Chemical Name	Germany	Italy	Portugal	The Netherlands
Paraffin waxes and			TWA: 2 mg/m ³	
Hydrocarbon waxes			-	

Chemical Name	Austria	Switzerland	Poland	Ireland
Paraffin waxes and Hydrocarbon waxes		MAK: 2 mg/m ³	NDS: 2 mg/m ³	TWA: 2 mg/m³ STEL: 6 mg/m³

Chemical Name	Finland	Denmark	Norway	Sweden
Paraffin waxes and Hydrocarbon waxes	TWA: 1 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m³ STEL: 4 mg/m³	LLV: 1 mg/m ³ STV: 3 mg/m ³ (Oljedimma)

	Chemical Name	Czech Republic	Hungary	Bulgaria	Romania
--	---------------	----------------	---------	----------	---------

Paraffin waxes and		TWA: 2 mg/m ³
Hydrocarbon waxes		STEL: 6 mg/m ³

Workers Systemic toxicity

Chemical Name	Long term - Oral exposure	Long term - Dermal exposure	Long term - Inhalation exposure	Short term - Oral Exposure	Short term - Dermal exposure	Short term - Inhalation exposure
2-(2-Aminoethoxy)ethanol		7.3 mg/kg	1.12 mg/m ³			

Workers Local effects

Chemical Name	Long term - Oral	Long term -	Long term -	Short term - Oral	Short term -	Short term -
	exposure	Dermal exposure	Inhalation	Exposure	Dermal exposure	Inhalation
			exposure			exposure
2-(2-Aminoethoxy)ethanol			0.67 mg/m ³		0.032 mg/cm2	

Consumers Systemic toxicity

Consumers Local effects

Predicted No Effect Concentration (PNEC)

Chemical Name	Fresh water	Sea water	Fresh water sediment	Sea sediment	Soil
2-(2-Aminoethoxy)ethanol	0.202 mg/l	0.0202 mg/l	0.945 mg/kg	0.0945 mg/kg	0.0704 mg/kg

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye Protection

Eye protection must conform to standard EN 166. Tightly fitting safety goggles. **Hand Protection** Protective gloves complying with EN 374. 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 Respiratory protection

Long sleeved clothing.

No special protective equipment required. In case of mist, spray or aerosol exposure wear

suitable personal respiratory protection and protective suit.

Wear personal protective equipment, Avoid contact with skin, eyes and clothing, Remove Hygiene measures

and wash contaminated clothing before re-use. Hygiene measures. Regular cleaning of

equipment, work area and clothing is recommended.

Environmental Exposure Controls

Thermal hazards

No special environmental precautions required.

None under normal use conditions

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state @20°C liquid **Appearance** amber

Mild Odor **Odor Threshold** Not Applicable

Property Values Note

Melting Point / Freezing Point No information available

Revision Date: 06-17-2015

Boiling point/boiling range 100 °C / 212 °F Flash point >= 200 °C / >= 392 °F **Evaporation rate** No information available Flammability (solid, gas) No information available

Flammability Limits in Air

upper flammability limit No information available No information available Lower flammability limit

Vapor pressure No information available Vapor density No information available

Relative density 0.99 g/cm3 @20°C

Solubility(ies) Water solubility: emulsifiable

Partition coefficient: n-octanol/water Not Applicable

No information available **Autoignition temperature** No information available **Decomposition temperature** Viscosity, kinematic No information available

Not Applicable **Explosive properties Oxidizing Properties** Not Applicable

9.2 Other information

Viscosity, kinematic (100°C) No information available Pour point No information available VOC Content (ASTM E-1868-10) No information available **VOC Content** No information available

SECTION 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

Do not freeze

10.5. Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases

10.6. Hazardous decomposition products

None under normal use conditions

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information - Principle Routes of Exposure

Inhalation None known

Eye contact May result in permanent damage including blindness

Skin contact Irritating to skin

Ingestion None known

Acute toxicity - Product Information

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

Acute toxicity - Component Information

Non-hazardous ingredients

Chemical Name	LD50 Oral (Rat)	LD50 Dermal (Rat/Rabbit)	LC50 Inhalation
Paraffin waxes and Hydrocarbon	> 5000 mg/kg (Rat)	> 3600 mg/kg (Rabbit)	
waxes			
2-(2-Aminoethoxy)ethanol	2560 mg/kg (Rat)	= 1190 μL/kg (Rabbit)	
Alcohols, C12-15-branched and	>2000 mg/kg (Rat)		
linear, ethoxylated propoxylated			

Skin corrosion/irritation Irritating to skin.

Serious eye damage/eye irritation Causes severe eye damage.

Sensitization

Respiratory Sensitization Skin sensitizationNone known.
None known.

Germ Cell Mutagenicity None known.

Carcinogenicity None known.

Reproductive toxicity None known.

Specific target organ systemic toxicity (single exposure)

None known

Specific target organ systemic toxicity (repeated exposure)

None known

Aspiration hazard None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No special environmental measures are necessary

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Paraffin waxes and Hydrocarbon waxes	>1000: 72 h Pseudokirchnerella subcapitata mg/L EC50	>1000: 96 h Oncorhynchus mykiss mg/L LC50		>10000: 48 h Daphnia magna mg/L EC50
2-(2-Aminoethoxy)ethanol	160: 72 h Desmodesmus subspicatus mg/L EC50	460: 96 h Leuciscus idus mg/L LC50 static		190: 48 h Daphnia magna mg/L EC50
and linear, ethoxylated		3.2: 96 h Brachydanio rerio mg/L LC50 1 - 10: 96 h Leuciscus idus mg/L LC50		

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused

Products

Dispose of in accordance with local regulations

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

disposal. Observe all label precautions until container is cleaned, reconditioned or

destroyed.

Other Data 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.

SECTION 14: TRANSPORT INFORMATION

14.1. UN-Number

Not regulated

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class

Not regulated

14.4. Packing group

Not regulated

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/IMONot regulatedADR/RIDNot regulatedICAO/IATANot regulated

SECTION 15: REGULATORY INFORMATION

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

The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008) Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

Statutory Instruments: Control of Substances Hazardous to Health Regulations 2002. Chemicals (Hazard Information and Packaging) Regulations 2009.

Acts of Parliament: The Health and Safety at Work etc. Act 1974. Environment Protection Act 1990.

Regulation on classification, labeling. of hazardous chemicals (2002 changing 2005). Appendix VI to Regulation on classification, labeling etc. of hazardous chemicals (2002 changing 2010), list of hazardous substances (as amended). Guidelines for submission and declaration of hazardous waste (2009). Transport of dangerous goods: ADR, RID, IMDG and IATA. Administrative norms for pollution of the atmosphere, 2009.

Workplace exposure limits (EH40)

WGK Classification

Low hazard to water/Class 1

15.2. Chemical Safety Assessment

No information available

SECTION 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Repr.-Reproduction toxicity
Asp. Tox. - Aspiration Toxicity
Acute Tox. - Acute Toxicity
Aquatic Acute - Acute Aquatic Toxicity

Aquatic Acute - Acute Aquatic Toxicity

Aquatic Chronic - Chronic Aquatic Toxicity

Eye Dam. - Eye Damage Eye Irrit. - Eye Irritation Skin Corr. - Skin Corrosion Skin Irrit. - Skin Irritation Skin Sens. - Skin Sensitizer

Resp. Sens. - Respiratory Sensitizer

STOT SE - Specific target organ systemic toxicity (Single exposure) STOT RE - Specific target organ systemic toxicity (repeated exposure)

VOC - Volatile organic compounds

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

H224 - Extremely flammable liquid and vapor	H341 - Suspected of causing genetic defects
H225 - Highly flammable liquid and vapor	H350 - May cause cancer
H226 - Flammable liquid and vapor	H351 - Suspected of causing cancer
H270 - May cause or intensify fire; oxidizer	H360 - May damage fertility or the unborn child
 H271 - May cause fire or explosion; strong oxidizer 	H361 - Suspected of damaging fertility or the unborn child
H272 - May intensify fire; oxidizer	H362 - May cause harm to breast-fed children
H290 - May be corrosive to metals	H370 - Causes damage to organs
H300 - Fatal if swallowed	H371 - May cause damage to organs
H301 - Toxic if swallowed	H372 - Causes damage to organs through prolonged or repeated
H302 - Harmful if swallowed	exposure
 H304 - May be fatal if swallowed and enters airways 	H373 - May cause damage to organs through prolonged or repeated
H310 - Fatal in contact with skin	exposure
H311 - Toxic in contact with skin	H400 - Very toxic to aquatic life
H312 - Harmful in contact with skin	H410 - Very toxic to aquatic life with long lasting effects
H314 - Causes severe skin burns and eye damage	H411 - Toxic to aquatic life with long lasting effects
H315 - Causes skin irritation	H412 - Harmful to aquatic life with long lasting effects
H317 - May cause an allergic skin reaction	H413 - May cause long lasting harmful effects to aquatic life
H318 - Causes serious eye damage	• H360Df - May damage the unborn child. Suspected of damaging fertility
H319 - Causes serious eye irritation	H360D - May damage the unborn child
H330 - Fatal if inhaled	H360FD - May damage fertility. May damage the unborn child
H331 - Toxic if inhaled	H360F - May damage fertility
H332 - Harmful if inhaled	H361d - Suspected of damaging the unborn child
 H334 - May cause allergy or asthma symptoms or breathing difficulties 	H361fd - Suspected of damaging fertility. Suspected of damaging the
if inhaled	unborn child
H335 - May cause respiratory irritation	H361f - Suspected of damaging fertility
H336 - May cause drowsiness or dizziness	• EUH066 - Repeated exposure may cause skin dryness or cracking
H340 - May cause genetic defects	EUH210 - Safety data sheet available on request
	EUH208 - May produce an allergic reaction

Exposure scenario

No information available

Revision Date: 06-17-2015

Revision Note

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.