

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision date: 08/02/2023 Version: 11.1

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

1.1. Product identifier

Product form : Mixture Product name : V-cut SS

UFI : 4T70-X0GK-V00D-KF12

Product code : 51523

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

1.2.1. Relevant identified uses

: Industrial use, Professional use Main use category Industrial/Professional use spec : For professional use only

Industrial

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

ROCOL a division of ITW Ltd Rocol House Wakefield Rd, Swillington LS26 8BS Leeds - West Yorkshire United Kingdom T +44 (0)113 232 2600

customer.service@rocol.com - www.rocol.com

1.4. Emergency telephone number

: +44 (0)113 232 2600 **Emergency number**

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 1 H318 Hazardous to the aquatic environment - Chronic Hazard, Category 3 H412

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



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Precautionary statements (CLP)

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Signal word (CLP) : Danger

Contains : ALKOXYAMINE
Hazard statements (CLP) : H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H412 - Harmful to aquatic life with long lasting effects.

: P264 - Wash hands, forearms and face thoroughly after handling.

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

protection.

P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a

POISON CENTER or doctor.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ALKOXYAMINE	CAS-No.: 111-42-2 EC-No.: 203-868-0 REACH-no: 01-2119488930- 28	5 – 10	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373
ALKENYL ALKANOL AMIDE	CAS-No.: 68603-38-3 EC-No.: 271-653-9 REACH-no: 01-2119951823- 33	2.4 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Alcohols C16-C18, C18-unsaturated, ethoxylated (> 2,5 EO)	CAS-No.: 68920-66-1 REACH-no: 02-2119945912- 32	2.4 – 5	Skin Irrit. 2, H315 Aquatic Chronic 2, H411
2-(2-BUTOXYETHOXY)ETHANOL.	CAS-No.: 112-34-5 EC-No.: 203-961-6	1 – 2.4	Eye Irrit. 2, H319
CARBOXYMETHYLATED POLYGLYCOL ETHER	CAS-No.: 57635-48-0 REACH-no: EXEMPT - POLYMER	1 – 2.4	Skin Irrit. 2, H315 Eye Dam. 1, H318
ETHANOL, 2-AMINO substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 141-43-5 EC-No.: 205-483-3 REACH-no: 01-2119486455- 28	1 – 2.4	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1, H314
METHYL BENZOTRIAZOLE	CAS-No.: 29385-43-1 EC-No.: 249-596-6 REACH-no: 2119979081-35	0.1 – 1	Acute Tox. 4 (Oral), H302 Repr. 2, H361d Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
SODIUM PYRITHIONE	CAS-No.: 3811-73-2 EC-No.: 223-296-5 REACH-no: 01-2119493385- 28	0.1 – 1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice.

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of water/.... Wash contaminated clothing before reuse. If skin irritation

occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

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Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Collect spillage.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work. Provide good ventilation in process area to prevent

formation of vapour.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep only in original container.

Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

ETHANOL, 2-AMINO (141-43-5)			
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	2-Aminoethanol		
IOEL TWA	2.5 mg/m³		
IOEL STEL	7.6 mg/m³		
IOEL STEL [ppm]	3 ppm		
Remark	Skin		
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC		
United Kingdom - Occupational Exposure Limits			
Local name	2-Aminoethanol		
WEL TWA (OEL TWA) [1]	2.5 mg/m³		
WEL TWA (OEL TWA) [2]	1 ppm		
WEL STEL (OEL STEL)	7.6 mg/m³		
WEL STEL (OEL STEL) [ppm]	3 ppm		
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)		

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ETHANOL, 2-AMINO (141-43-5)

Regulatory reference EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):





8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear protective gloves. Nitrile rubber gloves

8.2.2.3. Respiratory protection

Respiratory protection:

Not required for normal conditions of use

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Yellow.

Odour: Characteristic odour.Odour threshold: Not availableMelting point: Not availableFreezing point: Not available

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Boiling point : 100 °C Flammability : Non flammable. **Explosive limits** : Not available Lower explosion limit : Not available Upper explosion limit : Not available Flash point : > 100 °C Auto-ignition temperature : > 200 Decomposition temperature : Not available рΗ : 9.5@5% Viscosity, kinematic : Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) Not available : Not available Vapour pressure Vapour pressure at 50°C Not available Density : Not available

Relative density : 1

Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 0 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

2-(2-BUTOXYETHOXY)ETHANOL. (112-34-5)

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LD50 oral rat	4500 mg/kg
LD50 oral	6050 mg/kg

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ALKENYL ALKANOL AMIDE (68603-38-3)	
LD50 oral rat	> 3000 mg/kg
LD50 dermal	> 2000 mg/kg
ETHANOL, 2-AMINO (141-43-5)	
LD50 oral rat	1089 mg/kg
LD50 dermal	2504 mg/kg
Alcohols C16-C18, C18-unsaturated, ethoxyla	ated (> 2,5 EO) (68920-66-1)
LD50 oral rat	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
Skin corrosion/irritation :	Causes skin irritation. pH: 9.5@5%
METHYL BENZOTRIAZOLE (29385-43-1)	
Н	≈ 5.2 (5% in water)
ETHANOL, 2-AMINO (141-43-5)	
рН	12.1 Temp.: 20 Concentration: 100 g/L
Serious eye damage/irritation :	Causes serious eye damage. pH: 9.5@5%
METHYL BENZOTRIAZOLE (29385-43-1)	
рН	≈ 5.2 (5% in water)
ETHANOL, 2-AMINO (141-43-5)	
рН	12.1 Temp.: 20 Concentration: 100 g/L
Respiratory or skin sensitisation : Additional information :	Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity : Additional information :	Not classified
Carcinogenicity :	Based on available data, the classification criteria are not met Not classified
Additional information :	Based on available data, the classification criteria are not met
Reproductive toxicity : Additional information :	Not classified
STOT-single exposure :	Based on available data, the classification criteria are not met Not classified
Additional information :	Based on available data, the classification criteria are not met
STOT-repeated exposure :	Not classified
	Based on available data, the classification criteria are not met
ALKOXYAMINE (111-42-2) STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
ETHANOL, 2-AMINO (141-43-5)	, samuage to engane amonghi prototigod of repedited expedited.
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: other:OECD Guideline 416 (Two-generation
	reproduction toxicity study)
Aspiration hazard : Additional information :	Not classified Based on available data, the classification criteria are not met
METHYL BENZOTRIAZOLE (29385-43-1)	Dasca on available data, the diassillotholitolia are not filet
Viscosity, kinematic	≈ 35 mm²/s at 40°C
ETHANOL, 2-AMINO (141-43-5)	
Viscosity, kinematic	23.392 mm²/s
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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and

symptoms

: Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term

: Harmful to aquatic life with long lasting effects.

(chronic)

	The state of the s			
METHYL BENZOTRIAZOLE (29385-43-1)				
LC50 - Fish [1]	55 mg/l			
EC50 - Other aquatic organisms [1]	8.58 mg/l			
ALKENYL ALKANOL AMIDE (68603-38-3)				
LC50 - Fish [1]	1460 mg/l			
EC50 - Other aquatic organisms [1]	55 mg/l			
ALKOXYAMINE (111-42-2)				
EC50 - Crustacea [1]	30.1 mg/l Test organisms (species): Ceriodaphnia dubia			
EC50 - Crustacea [2]	89.9 mg/l Test organisms (species): Ceriodaphnia dubia			
EC50 72h - Algae [1]	9.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)			
EC50 72h - Algae [2]	2.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)			
EC50 96h - Algae [1]	9.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)			
EC50 96h - Algae [2]	2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)			
LOEC (chronic)	1.56 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
NOEC (chronic)	0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
NOEC chronic fish	> 1 mg/l Test organisms (species): other:freshwater fish			
ETHANOL, 2-AMINO (141-43-5)				
LC50 - Fish [1]	349 mg/l Test organisms (species): Cyprinus carpio			
EC50 - Crustacea [1]	65 mg/l Test organisms (species): Daphnia magna			
EC50 72h - Algae [1]	2.8 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)			
EC50 72h - Algae [2]	2.1 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)			
NOEC (chronic)	0.85 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
NOEC chronic fish	1.24 mg/l Test organisms (species): Oryzias latipes Duration: '41 d'			

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Alcohols C16-C18, C18-unsaturated, ethoxylated (> 2,5 EO) (68920-66-1)		
LC50 - Fish [1] 108 mg/l		
EC50 - Other aquatic organisms [1]	51 mg/l	

12.2. Persistence and degradability

V-cut SS	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

V-cut SS	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of

contents/container to hazardous or special waste collection point, in accordance with local,

regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID			
14.1. UN number or ID n	14.1. UN number or ID number						
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated			
14.2. UN proper shippin	14.2. UN proper shipping name						
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated			
14.3. Transport hazard o	14.3. Transport hazard class(es)						
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated			
14.4. Packing group	14.4. Packing group						
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated			
14.5. Environmental hazards							
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated			

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ADR	IMDG	IATA	ADN	RID
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List) in concentrations above or equal to the limit values

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : 0 g/l

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and

amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.