

Innosoft B570 is a special deep cleaner that removes contamination such as oxides/rust from stainless steel surfaces in a single operation.

It is a white viscous liquid based on organic acids and surface active agents and does not contain abrasives. It is suitable for the intensive cleaning of contaminated surfaces like flash rust and rusty areas, also known as 'tea-stains'. It is not a pickling agent because it does not attack the metal. It is therefore non-aggressive for metals but very effective on oxides and dirt.

Innoclean B580 completely removes any residues left after the use of Innosoft B570 and passivates the surface which helps to prevent further corrosion. Due to the deep-cleaning characteristics of Innosoft B570, the danger of 'under-deposit corrosion' of stainless steel is also reduced. This form of corrosion occurs under deposits because oxygen access is limited. This is particularly important in Chloride environments such as marine applications. Ground or polished surfaces are also more susceptible to this phenomenon

Other metals

Although Innosoft B570 was originally developed for stainless steel it has become apparent that it also gives good results on other metals like copper, aluminium and even plain steels. Common corrosion pits on aluminium are also effectively removed using this product.

INSTRUCTIONS FOR USING INNOSOFT B570

Innosoft B570 is a white viscous liquid with an acidic pH of 3 containing organic acids and surface-active agents and is free from abrasive particles.

Innosoft B570 should first be well shaken and then applied undiluted using a damp sponge or pad. For ground or polished finishes, the product should be applied in the same direction as the brushing, grinding, polishing or abrading

The loosened dirt and or oxide might cause light scratching, particularly on polished surfaces and this should therefore be carefully removed with water or a damp cloth. In this case only light pressure should be used in order to prevent any dirt becoming lodged in surface discontinuities. It is preferable to follow up with use of the basic cleaner Innoclean B560 which as well as being neutral, also leaves a passive layer minimising the danger of any subsequent corrosion. It is recommended that waterproof gloves are worn whilst using the product. A Material Safety Data Sheet in line with 1907/2006/EC article 31 is available on request.

INNOCLEAN B580

This neutral (pH 6.5) and mild cleaner can successfully be used in combination with Innosoft B570. As well as its cleaning action in removing the loosened oxides and contaminants, this product will also passivate the surface to minimise further corrosion. It is also suitable for the everyday cleaning of lightly soiled surfaces that have previously been treated with Innosoft B570.

This cleaner should ideally be used to remove oxides and dirt released by prior usage of Innosoft B570. By the generous use of the diluted cleaner, all the contamination is washed away. After drying it will immediately be evident if there is any remaining residue in discontinuities or on the surface if a light shading is observed. The cycle should be repeated until the surface is completely clean.

Dilution:

400ml in 1000ml of cold water.

CONTACT

Address: Please make contact directly with your local service centre, which can be found via the Locations page of our web site
Web: www.aalco.co.uk

REVISION HISTORY

Datasheet Updated 12 August 2013

DISCLAIMER

This Data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

Please note that the 'Datasheet Update' date shown above is no guarantee of accuracy or whether the datasheet is up to date.

The information provided in this datasheet has been drawn from various recognised sources, including EN Standards, recognised industry references (printed & online) and manufacturers' data. No guarantee is given that the information is from the latest issue of those sources or about the accuracy of those sources.

Material supplied by the Company may vary significantly from this data, but will conform to all relevant and applicable standards.

As the products detailed may be used for a wide variety of purposes and as the Company has no control over their use; the Company specifically excludes all conditions or warranties expressed or implied by statute or otherwise as to dimensions, properties and/or fitness for any particular purpose, whether expressed or implied.

Advice given by the Company to any third party is given for that party's assistance only and without liability on the part of the Company. All transactions are subject to the Company's current Conditions of Sale. The extent of the Company's liabilities to any customer is clearly set out in those Conditions; a copy of which is available on request.

aalco[®] STAINLESS STEEL CLEANING & PASSIVATION KIT

Removes oxides and rust
contamination from
Stainless Steel surfaces



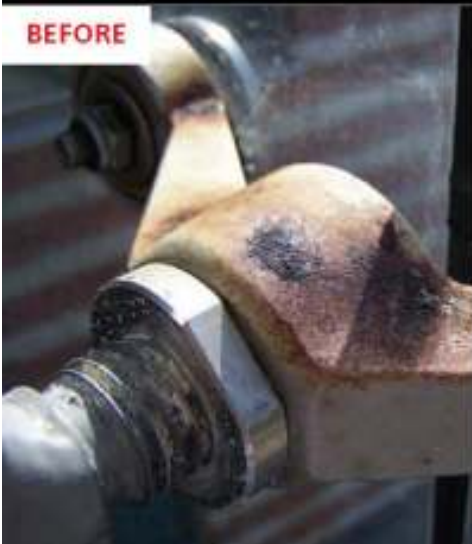
BEFORE



AFTER



BEFORE



AFTER



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www.aalco.co.uk

Before & after treatment
with **Innosoft B570**

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Aalco Kits

Kits are available from Aalco comprising the following contents

Product	500ml Kit	250ml Kit	100ml Kit
Innosoft B570	500ml	250ml	100ml
Innoprotect B580	500ml	250ml	100ml
Application Sponge	1	1	1

Instructions for using Innosoft B570

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The loosened dirt and or oxide might cause light scratching, particularly on polished surfaces and this should therefore be carefully removed with water or a damp cloth. In this case only light pressure should be used in order to prevent any dirt becoming lodged in surface discontinuities. It is preferable to follow up with use of the basic cleaner Innoprotect B580 which as well as being neutral, also leaves a passive layer minimising the danger of any subsequent corrosion.

It is recommended that waterproof gloves are worn whilst using the product. A Material Safety Data Sheet in line with 1907/2006/EC article 31 is available on request.



BEFORE



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Instructions for using Innoprotect B580

This neutral (pH 6.5) and mild cleaner can successfully be used in combination with Innosoft B570. As well as its cleaning action in removing the loosened oxides and contaminants, this product will also passivate the surface to minimise further corrosion. It is also suitable for the everyday cleaning of lightly soiled surfaces that have previously been treated with Innosoft B570.

This cleaner should ideally be used to remove oxides and dirt released by prior usage of Innosoft B570. By the generous use of the diluted cleaner, all the contamination is washed away. After drying it will immediately be evident if there is any remaining residue in discontinuities or on the surface if a light shading is observed. The cycle should be repeated until the surface is completely clean.

Dilution

Dilute 400ml in 1000ml of cold water.

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For further information
and prices, please contact
your local Aalco Service
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Designed and produced by: Separative Design (United Kingdom) Ltd

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MATERIAL SAFETY DATA SHEET
according to REGULATION (EU) No 453/2010, annex I

Innosoft B570

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1. Identification of the mixture and of the company / undertaking

1.1. Product identifier
Innosoft B570

1.2. Relevant identified uses of the mixture and uses advised against
Ready-to-use stainless steel cleaner, for professional use according to the instructions in the
Technical Bulletin.
Process categories (explanations see section 16): PROC 10.

1.3. Details of the supplier of the safety data sheet

Manufacturer:
EMERGO Metal Treatment
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2. Hazards identification

2.1. Classification of the mixture

R 38 Irritating to skin.
R 41 Risk of serious damage to eyes.

2.2. Label elements (acc. to 1999/45/EC)



Irritant

R 38 Irritating to skin.
R 41 Risk of serious damage to eyes.

S 2 Keep out of the reach of children.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 28 After contact with skin, wash immediately with plenty of soap and water.
S 36 Wear eye/face protection.
S 46 If swallowed, seek medical advice immediately and show container or label.

2.3. Other hazards

The product does not contain substances which are classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) according to 1907/2006/EG annex XIII.

Foam formation after vomiting bears risk of suffocation.

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3. Composition / information on ingredients

Ingredients (according to 648/2004EC):

5-15% anionic surfactants, <5% nonionic surfactants, contains preservation agents (2-Bromo-2-nitropropane-1,3-Diol, Methylchloroisothiazolinone, Methylisothiazolinone) and perfumes (Limonene, Butylphenyl Methylpropional, Benzyl Salicylate, Hexyl Cinnamal). Other ingredients: organic acids, auxiliary agents.

Hazardous ingredients:

5-15% anionic surfactants, CAS 85711-69-9, EINECS/ELINCS 268-330-3

XI - Irritant; R 38, R 41

Eye Dam. 1; Skin Irrit. 2; H 318, H 315

Acute toxicity:

LD₅₀ (dermal, rat) > 2000 mg / kg

LD₅₀ (oral, rat) > 2000 mg / kg

LD₅₀ (inhalation, dust/mist, rat) > 5 mg/l/4h

1-5% nonionic surfactants, CAS 69439-46-3, EINECS/ELINCS ---

XI - Irritant; R 41

Eye Dam. 1; H 318

Acute toxicity:

LD₅₀ (dermal, rat) > 2000 mg / kg

LD₅₀ (oral, rat) > 2000 mg / kg

LD₅₀ (inhalation, dust/mist, rat) > 5 mg/l/4h

1-5% glycolic acid, CAS 79-14-1, EINECS/ELINCS 201-180-5

C - Corrosive; R 34

Skin Corr. 1B; H 314

Acute toxicity:

LD₅₀ (dermal, rat) > 2000 mg / kg

LD₅₀ (oral, rat) > 2000 mg / kg

LD₅₀ (inhalation, vapour, rat) > 20 mg/l/4h

The full texts of the mentioned R-phrases and hazard statements (H) are listed in chapter 16.

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4. First aid measures

4.1. Description of first aid measures

Inhalation:

No inhalation exposure is to be expected if the product is used as intended.

Skin contact:

Wash affected areas with soap and water and rinse well.
Immediately take off all contaminated clothing.

Eye contact:

Rinse opened eyes several minutes under running water and call medical attention.

Ingestion:

Wash out mouth with water and drink plenty of water.
Do not induce vomiting, instantly call medical attention.

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

See section 11.

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

Symptomatic treatment. No specific antidote known. Administration of defoaming agent (Dimeticon) in case of ingestion of large quantities.

5. Firefighting measures

5.1. Extinguishing media

Suitable: water jet, alcohol-resistant foam, carbon dioxide, extinguishing powder.
Not suitable: Heavy jet of water.

5.2. Special hazards arising from the substance or mixture

Possible combustion products: carbon dioxide, carbon monoxide.

5.3. Advice for firefighters

Product is not combustible, adjust measures to the general situation.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin.
Wear personal protection equipment (see section 8).

6.2. Environmental precautions:

Do not allow to enter surface or ground waters.

6.3. Methods and materials for containment and cleaning up

Take up with suitable absorbent material (e. g. sand, diatomite, universal binding agent).
Flush small amounts (up to ca. 10 l) with plenty of water into the sewerage.

6.4. Reference to other sections

Follow advices and protective measures mentioned in section 7 and 8.

7. Handling and storage

7.1. Precautions for safe handling

Use only in accordance with the instructions in the Technical Bulletin.
Avoid contact with skin and eyes.
Do not mix with other products.
Wear personal protection equipment (see section 8).
Do not eat, drink and smoke in work areas.
Wash hands after use.
Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Storage class (VCI): 12.

7.3. Specific end uses

See section 1.2.
GISBAU product code: GS 50.

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8. Exposure controls / personal protection

8.1. Control parameters

See section 3.

8.2. Exposure controls

Personal protection:	
Respiratory protection:	Not required if used according to the instructions in the Technical Bulletin.
Hand protection:	Protective gloves, category III according to EN 374. A survey of suitable brands with detailed information on breakthrough times is available upon request.
Eye protection:	Goggles.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: liquid

Odour: perfume

pH-value: ca. 3

Melting point / melting range: ca. 0 °C

Boiling point / boiling range: ca. 100 °C

Flash point: ---

Density (25 °C): 1,25

Solubility in / miscibility with water: partially soluble

Viscosity (25 °C): <1000 mPas

9.2. Other information

Other physical and chemical data have not been determined.

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10. Stability and reactivity

10.1. Reactivity

No extraordinary reactivity known.

10.2. Chemical stability

The product is stable under normal conditions (room temperature).

10.3. Possibility of hazardous reactions

No hazardous reactions to be expected if used as intended.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

No hazardous incompatibilities known.

10.6. Hazardous decomposition products

None known.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Acute toxicity of components present at relevant concentrations: see section 3.

Irritation, corrosion, sensitisation

Classification of the product according to 1999/45/EG: see section 2.

Repeated dose toxicity

No data available

Carcinogenicity, mutagenicity, toxicity for reproduction

The product does not contain relevant concentrations of components with carcinogenic, mutagenic and/or toxic for reproduction properties.

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12. Ecological information

12.1. Toxicity

Surfactants: LC₅₀ (fish, daphnia) 1 - 10 mg /l.
Other organic components: LC₅₀ (fish, daphnia) >10 mg /l

12.2. Persistence and degradability

Surfactants:
The surfactants contained in this product comply with the biodegradability criteria as laid down in regulation 648/2004/EC on detergents.

Other organic components:

The biodegradability of the organic ingredients present in this product complies at least with the criteria of OECD 302 B.

12.3. Bioaccumulative potential

The product does not contain relevant concentrations of bioaccumulative components.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

See section 2.3.

12.6. Other adverse effects

A Certificate of Ecology (statement on environmental compatibility) with detailed information on the ecological properties of the product is available on request.

13. Disposal considerations

13.1. Waste treatment methods

After rinsing with plenty of water, empty containers may be recycled, landfilled or burned.

Waste code according to 2000/532/EC (product): 070601

Waste code according to 2000/532/EC (package): 150102

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14. Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class

Not classified according to ADR.

14.4. Packing group

14.5. Environmental hazards

Not hazardous according to 2.2.9.1.10 ADR.

14.6. Special precautions for user

See section 6 - 8

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

The product is not intended for transport in bulk.

15. Regulatory information

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

Volatile organic compounds (VOC) according to 1999/13/EC: <30%.

15.2. Chemical safety assessment

No chemical safety assessment according to 1907/2006/EC, annex I has been carried out for the product.

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16. Other information

Text of R-Phrases (see section 3)

R 10 Flammable.
R 11 Highly flammable.
R 12 Extremely flammable.
R 20 Harmful by inhalation.
R 21 Harmful in contact with skin.
R 22 Harmful if swallowed.
R 34 Causes burns.
R 35 Causes severe burns.
R 36 Irritating to eyes.
R 37 Irritating to respiratory system.
R 38 Irritating to skin.
R 41 Risk of serious damage to eyes.
R 43 May cause sensitisation by skin contact.
R 50 Very toxic to aquatic organisms.
R 51 Toxic to aquatic organisms.
R 52 Harmful to aquatic organisms.
R 53 May cause long-term adverse effects in the environment.
R 65 Harmful. May cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.

Text of hazard statements (see section 3)

H 220 Extremely flammable gas.
H 225 Highly flammable liquid and vapour.
H 228 Flammable liquid and vapour.
H 302 Harmful if swallowed.
H 304 May be fatal if swallowed and enters airways.
H 312 Harmful in contact with skin.
H 314 Causes severe skin burns and eye damage.
H 315 Causes skin irritation.
H 317 May cause an allergic skin reaction.
H 318 Causes serious eye damage.
H 319 Causes serious eye irritation.
H 332 Harmful if inhaled.
H 335 May cause respiratory irritation.
H 336 May cause drowsiness or dizziness.
H 370 Causes damage to organs.
H 373 May cause damage to organs through prolonged or repeated exposure.
H 400 Very toxic to aquatic life.
H 410 Very toxic to aquatic life with long lasting effects.
H 411 Toxic to aquatic life with long lasting effects.
H 412 Harmful to aquatic life with long lasting effects.
EUH 065 Repeated exposure may cause skin dryness or cracking.

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Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners.
PROC 10 (Roller application or brushing): Processing without large-scale spraying
PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).
PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

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Innoprotect B580

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1. Identification of the mixture and of the company / undertaking

1.1. Product identifier
Innoprotect B580

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

Water-dilutable surface cleaner for professional use according to the instructions in the Technical Bulletin.

Process categories (explanations see section 16): PROC 8, PROC 10, PROC 11.

1.3. Details of the supplier of the safety data sheet

Manufacturer:
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2. Hazards identification

2.1. Classification of the mixture

The product is not hazardous according to the classification rules in Directives 67/548/EEC and 1989/45/EC. Nevertheless its content of hazardous components may cause certain effects mentioned in section 11.

The product does not support combustion. It therefore needs not to be classified as flammable despite a flash point below 55 °C.

2.2. Label elements (acc. to 1999/45/EC)

Although the product is not classified as hazardous, we recommend observing the safety advices.

S 2 Keep out of the reach of children.

S 46 If swallowed, seek medical advice immediately and show container or label.

2.3. Other hazards

The product does not contain substances which are classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) according to 1907/2006/EG annex XIII.

Irritating to respiratory system after inhalation of spray / aerosol.

Foam formation after vomiting bears risk of suffocation.

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3. Composition / information on ingredients

Ingredients (according to 648/2004EC):

<5% anionic surfactants, <5% polycarboxylates, contains preservation agents (Methylchloroisothiazolinone, Methylisothiazolinone) and perfumes (Geraniol, Butylphenyl Methylpropional, Limonene).
Other ingredients: alcohol, auxiliary agents, colouring.

Hazardous ingredients:

1-5% anionic surfactants, CAS 85711-69-9, EINECS/ELINCS 288-330-3
Xi - Irritant; R 38, R 41
Eye Dam. 1; Skin Irrit. 2; H 318, H 315
Acute toxicity:
LD₅₀ (dermal, rat) > 2000 mg / kg
LD₅₀ (oral, rat) > 2000 mg / kg
LD₅₀ (inhalation, dust/mist, rat) > 5 mg/4h

1-5% ethanol, CAS 64-17-5, EINECS/ELINCS 200-578-6
F - Highly flammable; R 11
Flam. Liq. 2; H 225
Acute toxicity:
LD₅₀ (dermal, rat) > 2000 mg / kg
LD₅₀ (oral, rat) > 2000 mg / kg
LD₅₀ (inhalation, vapour, rat) > 20 mg/4h

The full texts of the mentioned R-phrases and hazard statements (H) are listed in chapter 16.

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4. First aid measures

4.1. Description of first aid measures

Inhalation:
Supply fresh air.

Skin contact:
Wash affected areas with soap and water and rinse well.
Take off all contaminated clothing.

Eye contact:
Rinse opened eyes several minutes under running water.

Ingestion:
Wash out mouth with water and drink plenty of water.
Do not induce vomiting.

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

See section 11.

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

Symptomatic treatment. No specific antidote known. Administration of defoaming agent (Dimeticon) in case of ingestion of large quantities.

5. Firefighting measures

5.1. Extinguishing media

Suitable: water jet, alcohol-resistant foam, carbon dioxide, extinguishing powder.
Not suitable: Heavy jet of water.

5.2. Special hazards arising from the substance or mixture

Possible combustion products: carbon dioxide, carbon monoxide.

5.3. Advice for firefighters

Product is not combustible, adjust measures to the general situation.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin.

6.2. Environmental precautions:

Do not allow to enter surface or ground waters.

6.3. Methods and materials for containment and cleaning up

Take up with suitable absorbent material (e. g. sand, diatomite, universal binding agent).
Flush small amounts (up to ca. 10 l) with plenty of water into the sewerage

6.4. Reference to other sections

Follow advices and protective measures mentioned in section 7 and 8.

7. Handling and storage

7.1. Precautions for safe handling

Use only in accordance with the instructions in the Technical Bulletin.

Avoid contact with skin and eyes.

Do not breath spray / aerosol.

Do not mix with other products.

Wear personal protection equipment (see section 8).

Do not eat, drink and smoke in work areas.

Wash hands after use.

Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Storage class (VCI): 12.

7.3. Specific end uses

See section 1.2.

GISBAU product code: GU 50.

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8. Exposure controls / personal protection

8.1. Control parameters

See section 3.

8.2. Exposure controls

Personal protection:
Respiratory protection: If extensively sprayed or used with high pressure equipment:
combination filter A1/P2.
Hand protection: Not required.
Eye protection: Not required.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: liquid

Odour: perfume

pH-value: 6 – 7

Melting point / melting range: ca. 0 °C

Boiling point / boiling range: ca. 100 °C

Flash point: 54 °C

Density (25 °C): 1.02

Solubility in / miscibility with water: completely soluble

Viscosity (25 °C): < 10 mPas

9.2. Other information

Other physical and chemical data have not been determined.

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10. Stability and reactivity

10.1. Reactivity

No extraordinary reactivity known.

10.2. Chemical stability

The product is stable under normal conditions (room temperature).

10.3. Possibility of hazardous reactions

No hazardous reactions to be expected if used as intended.

10.4. Conditions to avoid

Heating above the flash point, static charge.

10.5. Incompatible materials

No hazardous incompatibilities known.

10.6. Hazardous decomposition products

Possible development of combustible mixtures with air if heated above the flash point or when sprayed or vaporized.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Acute toxicity of components present at relevant concentrations: see section 3.

Irritation, corrosion, sensitisation

Classification of the product according to 1999/45/EG: see section 2.

Repeated dose toxicity

No data available

Carcinogenicity, mutagenicity, toxicity for reproduction

The product does not contain relevant concentrations of components with carcinogenic, mutagenic and/or toxic for reproduction properties.

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12. Ecological information

12.1. Toxicity

Surfactants: LC₅₀ (fish, daphnia) 1 - 10 mg/l.
Other organic components: LC₅₀ (fish, daphnia) > 10 mg/l

12.2. Persistence and degradability

Surfactants:
The surfactants contained in this product comply with the biodegradability criteria as laid down in regulation 648/2004/EC on detergents.

Other organic components:
The biodegradability of the organic ingredients present in this product complies at least with the criteria of OECD 302 B.

12.3. Bioaccumulative potential

The product does not contain relevant concentrations of bioaccumulative components.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

See section 2.3.

12.6. Other adverse effects

A Certificate of Ecology (statement on environmental compatibility) with detailed information on the ecological properties of the product is available on request.

13. Disposal considerations

13.1. Waste treatment methods

After rinsing with plenty of water, empty containers may be recycled, landfilled or burned.

Waste code according to 2000/532/EC (product): 070899

Waste code according to 2000/532/EC (package): 150102

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14. Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class

Not classified according to ADR.

14.4. Packing group

14.5. Environmental hazards

Not hazardous according to 2.2.9.1.10 ADR.

14.6. Special precautions for user

See section 6 - 8

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

The product is not intended for transport in bulk.

15. Regulatory information

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

Volatile organic compounds (VOC) according to 1999/13/EC: <30%.

15.2. Chemical safety assessment

No chemical safety assessment according to 1907/2006/EC, annex I has been carried out for the product.

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16. Other information

Text of R-Phrases (see section 3)

R 10 Flammable.
R 11 Highly flammable.
R 12 Extremely flammable.
R 20 Harmful by inhalation.
R 21 Harmful in contact with skin.
R 22 Harmful if swallowed.
R 34 Causes burns.
R 35 Causes severe burns.
R 36 Irritating to eyes.
R 37 Irritating to respiratory system.
R 38 Irritating to skin.
R 41 Risk of serious damage to eyes.
R 43 May cause sensitisation by skin contact.
R 50 Very toxic to aquatic organisms.
R 51 Toxic to aquatic organisms.
R 52 Harmful to aquatic organisms.
R 53 May cause long-term adverse effects in the environment.
R 65 Harmful. May cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.

Text of hazard statements (see section 3)

H 220 Extremely flammable gas.
H 225 Highly flammable liquid and vapour.
H 226 Flammable liquid and vapour.
H 302 Harmful if swallowed.
H 304 May be fatal if swallowed and enters airways.
H 312 Harmful in contact with skin.
H 314 Causes severe skin burns and eye damage.
H 315 Causes skin irritation.
H 317 May cause an allergic skin reaction.
H 318 Causes serious eye damage.
H 319 Causes serious eye irritation.
H 332 Harmful if inhaled.
H 335 May cause respiratory irritation.
H 336 May cause drowsiness or dizziness.
H 370 Causes damage to organs.
H 373 May cause damage to organs through prolonged or repeated exposure.
H 400 Very toxic to aquatic life.
H 410 Very toxic to aquatic life with long lasting effects.
H 411 Toxic to aquatic life with long lasting effects.
H 412 Harmful to aquatic life with long lasting effects.
EUH 065 Repeated exposure may cause skin dryness or cracking.

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Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners.
PROC 10 (Roller application or brushing): Processing without large-scale spraying
PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).
PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.