

SAFETY DATA SHEET

Innosoft B570

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 08.06.2010

Revision date 07.10.2015

1.1. Product identifier

Product name Innosoft B570

Chemical name Mixture, see section 3.

REACH Reg. No., Comments See section 16.

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

Use of the substance/preparation Ready to use. Cleanser for stainless steel without abrasives, for professional use according to information in the technical product sheet.

Relevant identified uses
PROC1 Use in closed process, no likelihood of exposure
PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC10 Roller application or brushing
PROC11 Non-industrial spraying
PROC19 Hand-mixing in close conditions and only PPE available.

1.3. Details of the supplier of the safety data sheet

Company name Krontech AS

Postal address Tors vei 6

Postcode 3216

City Sandefjord

Country Norge

Tel 33 46 09 90

E-mail post@krotech.no

Website <http://www.krontech.no/>

1.4. Emergency telephone number

Emergency telephone Poison Centre:22 59 13 00

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] Eye Dam. 1;H318;

Additional information on classification Contains Limonene, may cause allergic reaction

2.2. Label elements

Hazard Pictograms (CLP)



Composition on the label	Sulfamic Acid:1 < 5 , Sodium alcy sulfonate:5 < 10 , Fatty alcohol ethoxylate:1 < 5
Signal word	Danger
Hazard statements	H318 Causes Serious eye damage.
Precautionary statements	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.

2.3. Other hazards

PBT / vPvB	This product is not and does not contain a PBT or vPvB.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Sulfamic Acid	CAS no.: 5329-14-6 EC no.: 226-218-8 Index no.: 016-026-00-0 Registration number: 01-2119488633-28-XXXX	Skin Irrit. 2;H315; Eye Irrit. 2;H319; Aquatic Chronic 3;H412;	1 < 5
Sodium alcy sulfonate	CAS no.: 97489-15-1 EC no.: 307-055-2 Registration number: 01-2119489924-20-XXXX	Acute tox. 4;H302; Skin Irrit. 2;H315; Eye Dam. 1;H318;	5 < 10
Fatty alcohol ethoxylate	CAS no.: 68439-46-3	Eye Dam. 1;H318; Aquatic Chronic 3;H412;	1 < 5
Description of the mixture	5% - 15% anionic surfactants <5% nonionic surfactants, perfume (limonene, Hexyl Cinnamal, Butylphenyl METHYLPROPIONAL, Benzyl salicylate), preservatives (Benzisothiazolinone, Methylisothiazolinone)		

SECTION 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

General symptoms and effects	Provides, strong stinging / burning pain. See section 11 for further information about the symptoms and effects.
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4.3. Indication of any immediate medical attention and special treatment needed

Other Information	Risk of permanent damage if first aid is not initiated promptly. Medical treatment necessary. Ensure that medical personnel are informed about the material, and that they take appropriate precautions to protect themselves. The product does not emit any gases in concentrated form.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water, alcohol resistant foam, carbon dioxide, powder.

Improper extinguishing media Heavy jet of water.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products carbon dioxide, carbon monoxide.

5.3. Advice for firefighters

Other Information Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.1.1. For non-emergency personnel

Personal precautions Use personal protective equipment as specified in Section 8

6.1.2. For emergency responders

For emergency responders Use personal protective equipment as specified in Section 8

6.2. Environmental precautions

Environmental precautionary measures Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Cleaning method Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal .

6.4. Reference to other sections

Other instructions See section 13 for further treatment of waste.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed.

7.3. Specific end use(s)

Specific use(s) See section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Sodium alcylyl sulfonate	CAS no.: 97489-15-1 EC no.: 307-055-2 Registration number: 01-2119489924-20-XXXX		

DNEL / PNEC from substances

Substance	Sodium alcyf sulfonate
DNEL	Group: Consumer Exposure route: Dermal Exposure frequency: Long term (repeated) Type of effect: Local effect Value: 2,8 mg/cm ²
DNEL	Group: Consumer Exposure route: Oral Exposure frequency: Long term (repeated) Type of effect: Systemic effect Value: 7,1 mg/kg bw/day
DNEL	Group: Consumer Exposure route: Inhalation Exposure frequency: Long term (repeated) Type of effect: Systemic effect Value: 12,4 mg/m ³
DNEL	Group: Consumer Exposure route: Dermal Exposure frequency: Long term (repeated) Type of effect: Systemic effect Value: 3,57 mg/kg bw/day
DNEL	Group: Consumer Exposure route: Dermal Exposure frequency: Short term (acute) Value: 2,8 mg/cm ²
DNEL	Group: Worker Exposure route: Dermal Exposure frequency: Long term (repeated) Type of effect: Local effect Value: 2,8 mg/cm ²
DNEL	Group: Worker Exposure route: Dermal Exposure frequency: Short term (acute) Type of effect: Local effect Value: 2,8 mg/cm ²
DNEL	Group: Worker Exposure route: Inhalation Exposure frequency: Long term (repeated) Type of effect: Systemic effect Value: 35 mg/m ³
DNEL	Group: Worker Exposure route: Dermal Exposure frequency: Long term (repeated) Type of effect: Systemic effect Value: 5 mg/kg bw/day
PNEC	Exposure route: Freshwater Value: 0,04 mg/l
PNEC	Exposure route: Saltwater Value: 0,004 mg/l
PNEC	Exposure route: Freshwater sediments Value: 9,4 mg/kg
PNEC	Exposure route: Saltwater sediments Value: 0,94 mg/kg
PNEC	Exposure route: Soil Value: 9,4 mg/kg

PNEC	Exposure route: Sewage treatment plant STP Value: 600 mg/l
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8.2. Exposure controls

Limitation of exposure on workplace	Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink or smoke.
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Safety signs



Respiratory protection

Respiratory protection	Respiratory protection is not required for use in accordance with instructions given in the technical info sheet.
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Hand protection

Hand protection	When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Suitable material: NBR (Nitrile rubber). Breakthrough time (maximum wearing time) >480 min. A survey of suitable brands with detailed information on breakthrough times is available upon request.
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Eye / face protection

Eye protection	Wear eye/face protection.
Reference to relevant standard	Eye protection must conform to EN 166.

Skin protection

Skin protection (except hands)	Wear suitable protective clothing.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	White
Odour	Perfumes, fragrances.
pH (as supplied)	Value: 2,8-3,4
Comments, pH (as supplied)	20° C
Melting point/melting range	Value: ~ 0 °C
Boiling point / boiling range	Value: ~ 100 °C
Specific gravity	Value: 1,25
Comments, Specific gravity	25° C
Solubility in water	partially soluble
Viscosity	Value: < 1000 mPas
Comments, Viscosity	25° C

9.2. Other information

Other physical and chemical properties

Comments	This safety datasheet only contains information relating to safety and does not replace the product information or product specification.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The product is stable under normal storage conditions.
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10.2. Chemical stability

Stability	The product is stable under storage at normal ambient temperatures
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions In normal use there is no risk of dangerous reactions

10.4. Conditions to avoid

Conditions to avoid None known.

10.5. Incompatible materials

Materials to avoid No hazardous incompatibilities known.

10.6. Hazardous decomposition products

Hazardous decomposition products See section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological data for substances

Substance	Sulfamic Acid
LD50 oral	Value: > 2000 mg/kg Animal test species: Rotte ATE
LD50 dermal	Value: > 2000 mg/kg Animal test species: Rotte ATE
LD50 dermal	Value: > 5 mg/l Animal test species: Rotte ATE
Substance	Sodium alcyyl sulfonate
LD50 oral	Value: > 2000 mg/kg Animal test species: Rotte Test reference: OECD 401
LD50 dermal	Value: > 2000 mg/kg Animal test species: mus
LC50 inhalation	Value: > 5 mg/ Animal test species: Rat ATE
Substance	Fatty alcohol ethoxylate
LD50 oral	Value: > 2000 mg/kg Animal test species: rat
LD50 dermal	Value: > 2000 mg/kg Animal test species: rat
LC50 inhalation	Value: > 5 mg/kg Animal test species: rat Duration: 4h

Potential acute effects

Skin contact	Irritating to the skin.
Eye contact	Causes serious eye damage.
Ingestion	Irritating / throat. Provides abdominal pain / nausea.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	The product contains no relevant concentrations of components with carcinogenic, mutagenic and / or propagation harmful properties.
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SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic, fish	Value: 1-10 mg/l Method of testing: LC50 Fish, species: fisk, daphnia
Aquatic, comments	Other organic components: LC50 (fish, daphnia) > 10 mg / l

Toxicological data for substances

Substance	Sulfamic Acid
Acute aquatic, fish	Value: 70,3 mg/l Method of testing: LC50 Species: Pimephales promelas (fathead min Duration: 96 t

Substance	Sodium alcyyl sulfonate
Acute aquatic, fish	Value: 1-10 mg/l Method of testing: LC50 Species: Brachydanio rerio (zebra-fish) Duration: 96 t Test reference: OECD 203

Acute aquatic, algae	Value: > 61 mg/l Method of testing: EC50 Species: Scenedesmus subspicatus Duration: 72 t Test reference: OECS 201
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Acute aquatic, Daphnia	Value: 9,81 mg/l Method of testing: EC50 Species: Daphnia magna (Big water flea) Duration: 48 t Test reference: OECD 202
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Substance	Fatty alcohol ethoxylate
Acute aquatic, fish	Value: 1-10 mg/l Method of testing: LC50 Species: Cyprinus carpio(Common Carp) Duration: 96 t Test reference: OECD 203

Acute aquatic, algae	Value: 1-10 mg/l Method of testing: ErC50 Species: Scenedesmus subspicatus Duration: 72 t Test reference: OECS 201
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Acute aquatic, Daphnia	Value: 1-10 mg/l Method of testing: EC50 Species: Daphnia magna (Big water flea) Duration: 48 t Test reference: OECD 202
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Acute aquatic, Daphnia LCLo	Value: 0,37 mg/l Method of testing: NOEC Species: Daphnia magna (Big water flea) Duration: 21 t
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12.2. Persistence and degradability

Persistence degradability additional info	97489-15-1 Sodium alkyl sulfonate OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C 78% 28 days Readily biodegradable (according to OECD criteria). OECD 301E/ EEC 92/69/V, C.4-B 89 28 days Readily biodegradable (according to OECD criteria). OECD 303/ EEC 92/69/V, C10 96.2 34 days Readily biodegradable (according to OECD criteria). 68439-46-3 Fatty alcohol ethoxylate OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C >60% 28 days Readily biodegradable (according to OECD criteria).
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Persistence and degradability	The surfactants contained in this product comply with the biodegradability criteria as laid down in regulation
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648/2004/EC on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential No indication of bioaccumulation potential.

12.4. Mobility in soil

Mobility The product has not been tested

12.5. Results of PBT and vPvB assessment

PBT assessment results This product is not and does not contain a PBT.

vPvB evaluation results This product is not and does not contain a vPvB

12.6. Other adverse effects

Other adverse effects / Remarks No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Dispose of waste according to applicable legislation. Delivery to an approved waste disposal company.
EWC waste code	EWC: 070601 aqueous washing liquids and mother liquors EWC: 150102 plasticpackaging
Other Information	070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors Classified as hazardous waste. Waste disposal number of contaminated packaging. 150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

SECTION 14: Transport information

14.1. UN number

Comments Not applicable.

14.2. UN proper shipping name

Comments Not applicable.

14.3. Transport hazard class(es)

Comments Not applicable.

14.4. Packing group

Comments Not applicable.

14.5. Environmental hazards

Comments See section 12.

14.6. Special precautions for user

Special safety precautions for user Avoid contact with eyes and skin.

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

ADR / RID - Other information

ADR Other information There are no requirements or restrictions for the transport of the product; neither by road (ADR), rail (RID), sea (IMDG) or air (ICAO).

SECTION 15: Regulatory information

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

Other Label Information	2010/75/EU (VOC): <30%
References (laws/regulations)	COMMISSION REGULATION (EU) No 944/2013 of 2 October 2013 (ATP5). Commission Regulation (EU) No 453/2010 Annex II (Appendix II - "II"). Transport of hazardous goods: ADR, RID, IMDG, IATA (2015). European Parliament and Council Regulation (EC) 1272/2008.

15.2. Chemical safety assessment

Chemical Safety Assessment	The information in this safety data sheet should not be regarded as the user's own risk assessment. It is always the user's responsibility to take all necessary steps in order to meet the requirements of the local rules and regulations.
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SECTION 16: Other information

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Eye Dam. 1; H318;
List of relevant H-phrases (Section 2 and 3).	H318 Causes Serious eye damage. H302 Harmful if swallowed. H412 Harmful to aquatic life with long lasting effects. H315 Causes skin irritation. H319 Causes serious eye irritation.
Additional information	The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. Reach No .: The registration number is not available for this product or the use of this is excluded by Article 2 of Regulation (EU) No. 1907/2006 on REACH, annual tonnage does not require registration or the registration is envisaged for a later registration deadline.
Version	1
Responsible for safety data sheet	Krontech AS
Prepared by	Security Consult.