

SAFETY DATA SHEET**NOVADAN®****Foam 42****NOVADAN®**

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 27.02.2012

Revision date 18.10.2019

1.1. Product identifier

Product name Foam 42

Article no. 12207, 12208, 12209, 12422

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

Use of the substance / preparation Neutral foam cleaning agent.

Relevant identified uses

- SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- SU4 Manufacture of food products
- PC35 Washing and cleaning products (including solvent based products)
- PROC10 Roller application or brushing
- PROC11 Non-industrial spraying
- ERC8A Wide dispersive indoor use of processing aids in open systems
- ERC8D Wide dispersive outdoor use of processing aids in open systems

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name Novadan ApS

Postal address Platinvej 21

Postcode DK-6000

City Kolding

Country Danmark

Telephone number + 45 76 34 84 00

Fax + 45 75 50 43 70

Email sds@novadan.dkWebsite www.novadan.dk

1.4. Emergency telephone number

Emergency telephone

Description: UK: NHS: 111
 EI: National Poisons Information Centre, 24/7: 01 809 2166

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Eye Irrit. 2; H319; Calculation method

Skin Irrit. 2; H315; Calculation method

Substance / mixture hazardous properties

For further information, please refer to section 11.

Additional information on classification

The informations stated in this MSDS, applies for the concentrated product. See Sec. 16, for informations regarding recommended user solutions

2.2. Label elements

Hazard pictograms (CLP)



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.
 H315 Causes skin irritation.

Precautionary statements

P280 Wear eye protection/protective gloves.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice / attention.

2.3. Other hazards

Health effect

The product is irritating to eyes and skin. See section 11 for additional information on health hazards.

Environmental effects

This product does not contain any PBT or vPvB substances.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Sulfonic acids, -alkane, sodium salts	CAS No.: 68439-57-6 EC No.: 270-407-8 REACH Reg. No.: 01-2119513401-57-xxxx	Eye Dam. 1;H318 Skin Irrit. 2;H315 Additional information on classification: SCL: 5-38% Eye Irr.2; >38% Eye Dam.1	5 - 15 %	
Alcohols C9-11-iso-, C10-rich, ethoxylated	CAS No.: 78330-20-8	Eye Dam. 1; H318 Acute Tox. 4; H302 Additional information on classification: SCL:	1 - 5 %	

Isotridecanoethoxylate	CAS No.: 69011-36-5 EC No.: n.a.	<p>≤10% Eye Irr.2 >10% Eye Dam.1</p> <p>Acute tox. 4; H302 Eye Dam. 1; H318</p> <p>Additional information on classification: SCL: <10% Eye Irr.2; ≥10% Eye Dam. 1</p>	1 - 5 %
Substance comments	<p>Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents: 5-15%: anionic surfactant <5%: nonionic surfactant <1% : preservative: Phenoxyethanol</p> <p>The full text for all hazard statements is displayed in section 16.</p>		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Remove affected person from source of contamination.
Inhalation	Fresh air. Get medical attention if any discomfort continues.
Skin contact	Rinse with water. Contact physician if discomfort continues.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.
Ingestion	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
Recommended personal protective equipment for first aid responders	Wear necessary protective equipment. For personal protection, see section 8.

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

Acute symptoms and effects	Irritating to skin. Irritating to eyes.
Delayed symptoms and effects	No known long term effects.

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

Other information	If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable. During fire, gases hazardous to health may be formed.
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5.3. Advice for firefighters

Personal protective equipment	Wear necessary protective equipment. For personal protection, see section 8.
Fire fighting procedures	Reference is made to the company fire procedure. If risk of water pollution occurs, notify appropriate authorities. Avoid breathing fire vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Wear necessary protective equipment. For personal protection, see section 8. In case of spills, beware of slippery floors and surfaces.
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6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Dam and absorb spillage with sand, sawdust or other absorbent. Wash contaminated area with water.
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6.4. Reference to other sections

Other instructions	See section 8 and section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Use work methods which minimize spreading of vapours, dust, smoke, aerosols, splashes etc. to the extent technically possible. Avoid contact with skin and eyes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep separate from food, feedstuffs, fertilisers and other sensitive material.
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Conditions for safe storage

Storage temperature	Value: 0 - 35 °C.
Storage stability	Durability: 36 months.

7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Control parameters comments	Not relevant.
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DNEL / PNEC

Substance	Sulfonic acids, -alkane, sodium salts
DNEL	<p>Group: Consumer Route of exposure: Long term (repeated) - Oral - Systemic effect Value: 13,0 mg/kg bw/d</p> <p>Group: Consumer Route of exposure: Long term (repeated) - Inhalation - Systemic effect Value: 45 mg/m³</p> <p>Group: Consumer Route of exposure: Long term (repeated) - Dermal - Systemic effect Value: 1,3 g/kg bw/d</p> <p>Group: Worker Route of exposure: Long term (repeated) - Inhalation - Systemic effect Value: 152,2 mg/m³</p> <p>Group: Worker Route of exposure: Long term (repeated) - Dermal - Systemic effect Value: 2,2 g/kg bw/d</p>
PNEC	<p>Route of exposure: Saltwater Value: 0,0042 mg/l</p> <p>Route of exposure: Sewage treatment plant STP Value: 4 mg/l</p> <p>Route of exposure: Soil Value: 0,0061 mg/kg</p> <p>Route of exposure: Saltwater sediments Value: 0,2 mg/kg</p> <p>Route of exposure: Freshwater sediments Value: 2,0 mg/kg</p> <p>Route of exposure: Freshwater Value: 0,042 mg/l</p> <p>Value: 0,042 mg/l Reference: Intermittent release</p>

8.2. Exposure controls**Safety signs****Precautionary measures to prevent exposure**

Technical measures to prevent exposure

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye / face protection

Suitable eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable. (EN 166).

Hand protection

Skin- / hand protection, long term contact

Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile. Neoprene. Butyl rubber. (EN 374)

Hand protection, comments

Breakthrough time for nitrile rubber, neoprene and butyl rubber is approx. 3 hours. The recommendation is a qualified estimate based on knowledge of the components. Elastic gloves stretch when used as glove thickness and thus the breakthrough time reduced.

The EN 374-3 standard test is performed at 23°C, but the practical temperature of the glove is approx. 35°C.

The breakthrough time of the different glove guides, is therefor reduced by a factor 3.

Skin protection

Additional skin protection measures

No special precautions.

Respiratory protection

Respiratory protection necessary at

Under normal conditions of use respiration protection should not be required.

Thermal hazards

Thermal hazards

See section 5.

Appropriate environmental exposure control

Environmental exposure controls

See section 6.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid.

Colour

Yellowish.

Odour

Characteristic.

pH

Status: In delivery state
Value: ~ 7,0

Status: In aqueous solution
Value: ~ 7,5
Concentration: 5 %

Melting point / melting range

Comments: Not relevant.

Boiling point / boiling range

Comments: Not relevant.

Flash point

Comments: Not relevant.

Evaporation rate	Comments: Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Vapour density	Comments: Not relevant.
Relative density	Comments: Not relevant.
Bulk density	Value: ~ 1,00 kg/l.
Solubility	Comments: Completely soluble in water.
Partition coefficient: n-octanol/ water	Comments: Not relevant.
Spontaneous combustability	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.
Viscosity	Comments: Not relevant.
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

9.2. Other information

Other physical and chemical properties

Comments	No data recorded.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	See section 10.4 and section 10.5.
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10.4. Conditions to avoid

Conditions to avoid	No recommendation given.
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10.5. Incompatible materials

Materials to avoid	No recommendation given.
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10.6. Hazardous decomposition products

Hazardous decomposition products	In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Sulfonic acids, -alkane, sodium salts
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: > 2000 mg/kg Animal test species: Rat Comments: OECD 401
Substance	Alcohols C9-11-iso-, C10-rich, ethoxylated
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 500-2000 mg/kg Animal test species: Rat Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Value: > 4000 mg/kg Animal test species: Rat
Substance	Isotridecanoethoxylate
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 500-2000 mg/kg Animal test species: Rat Test reference: OECD 423 Comments: Supplier MSDS
Other toxicological data	Toxicological tests on the product has not been performed.

Other information regarding health hazards

Assessment of acute toxicity, classification	No evidence for acute toxicity.
Inhalation	No known chronic or acute health risks.
Skin contact	Irritating and may cause redness and pain.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.
Sensitisation	No evidence for respiratory nor skin sensitization.
Assessment of germ cell mutagenicity, classification	No evidence for germ cell mutagenicity.
Assessment of carcinogenicity, classification	No evidence for carcinogenicity.

Assessment of reproductive toxicity, classification	No evidence for reproductive toxicity.
Assessment of specific target organ toxicity - single exposure, classification	No evidence for STOT-single exposure.
Assessment of specific target organ toxicity - repeated exposure, classification	No evidence for STOT-repeated exposure.
Assessment of aspiration hazard, classification	No evidence for aspiration hazard.

Symptoms of exposure

Symptoms of overexposure	No specific symptoms noted.
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SECTION 12: Ecological information

12.1. Toxicity

Substance	Sulfonic acids, -alkane, sodium salts
Aquatic toxicity, fish	Value: 1-10 mg/l Test duration: 96h Species: Brachydanio rerio Method: LC50, OECD 203
Substance	Alcohols C9-11-iso-, C10-rich, ethoxylated
Aquatic toxicity, fish	Value: 100 mg/l Test duration: 96h Species: Leuciscus idus Method: LC50
Substance	Isotridecanoethoxylate
Aquatic toxicity, fish	Value: 1 - 10 mg/l Test duration: 96h Species: Cyprinus carpio Method: LC50 - OECD TG 203
Substance	Sulfonic acids, -alkane, sodium salts
Aquatic toxicity, algae	Value: 5,2 mg/l Test duration: 72h Species: Skeletonema costatum Method: OECD 201
Substance	Alcohols C9-11-iso-, C10-rich, ethoxylated
Aquatic toxicity, algae	Value: 10 - 100 mg/l Test duration: 72h Method: EC50
Substance	Isotridecanoethoxylate
Aquatic toxicity, algae	Value: 1 - 10 mg/l Test duration: 72h Species: Desmodesmus subspicatus Method: EC50 - OECD TG 201

Substance	Sulfonic acids, -alkane, sodium salts
Aquatic toxicity, crustacean	Value: 4,53 mg/l Test duration: 48h Species: Ceriodaphnia Spec. Method: OECD 202
Substance	Alcohols C9-11-iso-, C10-rich, ethoxylated
Aquatic toxicity, crustacean	Value: 10 - 100 mg/l Test duration: 48h Method: EC50
Substance	Isotridecanoethoxylate
Aquatic toxicity, crustacean	Value: 1 - 10 mg/l Test duration: 48h Species: Daphnia magna Method: EC50 - OECD TG 202
Ecotoxicity	Not classified as dangerous to the environment.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	The product is easily biodegradable.
Substance	Sulfonic acids, -alkane, sodium salts
Biodegradability	Value: 98% Method: OECD 301 B Test period: 28d
Substance	Alcohols C9-11-iso-, C10-rich, ethoxylated
Biodegradability	Value: ≥ 90 % Method: OECD 301E
Substance	Isotridecanoethoxylate
Biodegradability	Value: > 60% Method: OECD 301B Test period: 28 d
Chemical oxygen demand (COD)	Value: < 250 mg O ₂ /g
Substance	Sulfonic acids, -alkane, sodium salts
Chemical oxygen demand (COD)	Value: 790 mg/g
Substance	Isotridecanoethoxylate
Chemical oxygen demand (COD)	Value: 2100 mg O ₂ /g

12.3. Bioaccumulative potential

Bioaccumulation, evaluation	The product is not bioaccumulating.
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12.4. Mobility in soil

Mobility	The product is water soluble and may spread in water systems.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Additional ecological information None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Do not empty into drains; dispose of this material and its container in a safe way. Dispose of waste and residues in accordance with local authority requirements. -
Appropriate methods of disposal for the contaminated packaging	Dispose of waste and residues in accordance with local authority requirements.
EWC waste code	EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: Yes
EWL packing	EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: Yes
Other information	When handling waste, consideration should be made to the safety precautions applying to handling of the product. Waste code applies to product remnants in pure form.

SECTION 14: Transport information

Dangerous goods No

14.1. UN number

Comments The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.2. UN proper shipping name

Comments Not relevant.

14.3. Transport hazard class(es)

Comments Not relevant.

14.4. Packing group

Comments Not relevant.

14.5. Environmental hazards

IMDG Marine pollutant No

14.6. Special precautions for user

Special safety precautions for user Not relevant.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

SECTION 15: Regulatory information

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

Other label information	For professional users only. As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
Water hazard class (DE)	Water hazard class (WGK): 2: hazard to waters Source: Self-classification (mixture; calculation rule).
Legislation and regulations	The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). EH40/2005, Workplace exposure limits 2005, with amendments. 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. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents.

15.2. Chemical safety assessment

Chemical safety assessment performed No

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation.
Training advice	No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
Additional information	READY-TO-USE MIXTURE: Does not require a hazard warning label.
Revision justification	Change in composition of the mixture (addition, deletion, substitution of

component).

Information added, deleted or revised

Relevant changes compared to the previous version of the safety data sheet are indicated with vertical lines in the left margin.

Version

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Prepared by

MP