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| NOVADAN® | SAFETY DATA SHEET | NOVADAN® |
| Tex Softener F 351 | | |

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 31.08.2018

Revision date 15.02.2022

1.1. Product identifier

Product name Tex Softener F 351

Article no. 26315, 26316, 41831, 41834

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

Product group Fabric softener.

Main intended use PC-DET-2.2 Fabric softeners

Relevant identified uses
SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)
PC34 Textile dyes, finishing and impregnating products; including bleaches and other processing aids
PROC2 Use in closed, continuous process with occasional controlled exposure
ERC8A Wide dispersive indoor 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

Producer

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.dk

Website 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

Substance / mixture hazardous properties

The product is not classified.

2.2. Label elements

Hazard statements

EUH 210 Safety data sheet available on request.

2.3. Other hazards

Health effect

May cause temporary eye irritation.
See section 11 for additional information on health hazards.

Environmental effects

This product does not contain any PBT or vPvB substances.

Other hazards

No evidence for endocrine disrupting properties.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

| Substance | Identification | Classification | Contents | Notes |
|--------------------|--|---|----------|-------|
| Propan-2-ol | CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH Reg. No.: 01-2119457558-25-XXXX | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 | 1 < 10 % | |
| Substance comments | <p>-</p> <p>Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents: 5-15%: cationic surfactant , <1% preservative: Phenoxyethanol , perfume . 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

| | |
|--|--|
| Recommended personal protective equipment for first aid responders | people not unconscious. Get medical attention if any discomfort continues. 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 | No specific health warnings noted. |
| 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. |
|-------------------|---|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|---|
| Suitable extinguishing media | Use fire-extinguishing media appropriate for surrounding materials. |
|------------------------------|---|

5.2. Special hazards arising from the substance or mixture

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|----------------------------|--|
| Fire and explosion hazards | This product is not flammable. During fire, gases hazardous to health may be formed. |
|----------------------------|--|

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 | Avoid contact with eyes. |
|------------------------------|--------------------------|

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. |
|--------------------------------------|--|

6.3. Methods and material for containment and cleaning up

| | |
|-----------------|--|
| Cleaning method | Smaller quantities of residue may be collected by an absorbent. Wash contaminated area with water. |
|-----------------|--|

6.4. Reference to other sections

| | |
|--------------------|-------------------------------|
| Other instructions | See section 8 and section 13. |
|--------------------|-------------------------------|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

No specific usage precautions noted.

Protective safety measures

Advice on general occupational hygiene

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.
Eating, smoking and water fountains prohibited in immediate work area.
Take off contaminated clothing and personal protective equipment before entering an eating area..

7.2. Conditions for safe storage, including any incompatibilities

Storage

Store in tightly closed original container. Store above freezing. Store the product away from direct sunlight in opaque containers.

Conditions for safe storage

Storage temperature

Value: 0 - 30 °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.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

| Substance | Identification | Exposure limits | TWA Year |
|-------------|------------------|--|----------------|
| Propan-2-ol | CAS No.: 67-63-0 | Limit value (8 h) : 400 ppm Limit value (8 h) : 999 mg/m ³ Limit value (short term) Value: 500 ppm Limit value (short term) Value: 1250 mg/m ³ Limit value (8 h) : 490 mg/m ³ | TWA Year: 2005 |

DNEL / PNEC

Substance

Propan-2-ol

DNEL

Group: Consumer

Route of exposure: Long-term inhalation (systemic)

Value: 89 mg/m³

Group: Professional

Route of exposure: Long-term dermal (systemic)

Value: 888 mg/kg bw/day

PNEC

Group: Professional**Route of exposure:** Long-term inhalation (systemic)**Value:** 500 mg/m³**Group:** Consumer**Route of exposure:** Long-term dermal (systemic)**Value:** 319 mg/kg bw/day**Group:** Consumer**Route of exposure:** Long-term oral (systemic)**Value:** 26 mg/kg bw/day**Route of exposure:** Sewage treatment plant STP**Value:** 2251 mg/l**Route of exposure:** Soil**Value:** 25 mg/kg**Route of exposure:** Freshwater**Value:** 140,9 mg/l**Route of exposure:** Saltwater sediments**Value:** 552 mg/kg**Route of exposure:** Freshwater sediments**Value:** 552 mg/kg**Route of exposure:** Saltwater**Value:** 140,9 mg/l**Value:** 140,9**Reference:** Intermittent releases

8.2. Exposure controls

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

Eye protection is not required under normal conditions.

Hand protection

Skin- / hand protection, long term contact

Under normal conditions of use gloves are not normally required.

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 None specific.

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 | Fluid. |
| Colour | Milky. |
| Odour | perfumes |
| Odour limit | Comments: Not relevant. |
| pH | Status: In delivery state Value: ~ 3,0 |
| Melting point / melting range | Comments: Not relevant. |
| Freezing point | Value: ~ -1 °C |
| Boiling point / boiling range | Comments: Not relevant. |
| Evaporation rate | Comments: Not relevant. |
| Explosion limit | Comments: Not relevant. |
| Vapour pressure | Comments: Not relevant. |
| Density | Value: ~ 1,00 kg/l |
| Solubility | Comments: Completely soluble in water. |
| Partition coefficient: n-octanol/ water | Comments: Not relevant. |
| Auto-ignition temperature | Comments: Not relevant. |
| Decomposition temperature | Comments: Not relevant. |
| Viscosity | Value: < 500 mPas. |
| Explosive properties | Not explosive. |
| Oxidising properties | Does not meet the criteria for oxidising. |

9.2. Other information

9.2.2. Other safety characteristics

Comments No data recorded.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

No information.

10.4. Conditions to avoid

Conditions to avoid

No information.

10.5. Incompatible materials

Materials to avoid

No information.

10.6. Hazardous decomposition products

Hazardous decomposition products

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance

Propan-2-ol

Acute toxicity

Effect tested: LD50
Route of exposure: Oral
Value: 5840 mg/kg
Animal test species: Rat
Test reference: OECD Guideline 401

Effect tested: LC50
Route of exposure: Inhalation.
Duration: 6 hour(s)
Value: > 10000 ppm
Animal test species: Rat
Test reference: OECD Guideline 403

Effect tested: LD50
Route of exposure: Dermal
Duration: 24 hour(s)
Value: 16,4 ml/kg
Animal test species: Rabbit
Test reference: OECD Guideline 402

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. |
| Substance | Propan-2-ol |
| Eye damage or irritation, test results | Toxicity type: Eye irritation Method: OECD 405 Species: Rabbit Evaluation result: Result: Irritation to eye. |
| Inhalation | No known chronic or acute health risks. |
| Skin contact | May cause an allergic skin reaction. |
| Eye contact | May cause temporary 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. |
|--------------------------|-----------------------------|

11.2 Other information

| | |
|----------------------|--|
| Endocrine disruption | No evidence for endocrine disrupting properties. |
|----------------------|--|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------------------|---|
| Substance | Propan-2-ol |
| Aquatic toxicity, fish | Value: 8970 - 9280 mg/l Test duration: 48 hour(s) Species: Leuciscus idus melanotus Method: LC50 |
| Substance | Propan-2-ol |
| Aquatic toxicity, algae | Value: 1800 mg/l Test duration: 8 day(s) |

| | |
|------------------------------|---|
| | Species: Scenedesmus quadricauda Method: TGK |
| Substance | Propan-2-ol |
| Aquatic toxicity, crustacean | Value: 9715 mg/l Test duration: 24 hour(s) Species: Daphnia magna Method: LC50 |
| Ecotoxicity | The product is not expected to be hazardous to the environment. |

12.2. Persistence and degradability

| | |
|--|---|
| Persistence and degradability description/evaluation | All organic components are considered biodegradable. |
| Substance | Propan-2-ol |
| Biodegradability | Value: 95 % Method: OECD 301E Test period: 21 day(s) |

12.3. Bioaccumulative potential

| | |
|-----------------------------|-------------------------------------|
| Bioaccumulation, evaluation | The product is not bioaccumulating. |
|-----------------------------|-------------------------------------|

12.4. Mobility in soil

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|----------|---|
| Mobility | The product is water soluble and may spread in water systems. |
|----------|---|

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

| | |
|---------------------------------|--|
| Endocrine disrupting properties | No evidence for endocrine disrupting properties. |
|---------------------------------|--|

12.7. Other adverse effects

| | |
|-----------------------------------|-----------------|
| Additional ecological information | No information. |
|-----------------------------------|-----------------|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Appropriate methods of disposal for the chemical | Dispose of waste and residues in accordance with local authority requirements. |
| Appropriate methods of disposal for the contaminated packaging | Dispose unused product and the packaging in accordance with local requirements. |
| EWC waste code | EWC waste code: 070601 aqueous washing liquids and mother liquors Classified as hazardous waste: No |
| EWL packing | EWC waste code: 070601 aqueous washing liquids and mother liquors Classified as hazardous waste: No |

| | |
|-------------------|---|
| 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. |
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SECTION 14: Transport information

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|-----------------|----|
| 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

14.6. Special precautions for user

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|-------------------------------------|---------------|
| Special safety precautions for user | Not relevant. |
|-------------------------------------|---------------|

14.7. Maritime transport in bulk according to IMO instruments

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. |
| Water hazard class (DE) | Water hazard class (WGK): 1: low 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)

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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.

Information added, deleted or revised

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

Version

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Prepared by

ALM