

NOVADAN®**SAFETY DATA SHEET**
Tex Powder 150**NOVADAN®**

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 19.06.2012

Revision date 11.02.2015

1.1. Product identifier

Product name Tex Powder 150

Article no. 31097

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

Product group Alkaline textile detergent.

Use of the substance/preparation Detergent for use in washingmachines.

Relevant identified uses SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

PC35 Washing and cleaning products (including solvent based products)

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

Company name Novadan ApS
Postal address Platinvej 21
Postcode DK-6000
City Kolding
Country Danmark
Tel + 45 76 34 84 00
Fax + 45 75 50 43 70
E-mail sds@novadan.dk
Website <http://www.novadan.dk>

1.4. Emergency telephone number

Emergency telephone Link to national poison centers:
http://echa.europa.eu/help/nationalhelp_contact_en.asp

SECTION 2: Hazards identification**2.1. Classification of substance or mixture**

Classification according to Xi; R38,R41
67/548/EEC or 1999/45/EC

Classification according to Skin Corr 1B;H314;
Regulation (EC) No 1272/2008

[CLP/GHS]

Substance / mixture hazardous properties

For further information, please refer to section 11.

2.2. Label elements

Hazard Pictograms (CLP)



Composition on the label

Disodium metasilicate, pentahydrate

Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 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

Health effect

Dust or splashes from the mixture may cause permanent eye damage. Dust has an irritating effect on moist skin. Inhalation of dust may irritate the respiratory system.

See section 11 for additional information on health hazards.

Environmental effects

Substantial amounts of the product may lead to a local change in acidity in small water systems which may have adverse effects on aquatic organisms. This product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Disodium metasilicate, pentahydrate	CAS no.: 10213-79-3 EC no.: 229-912-9 Registration number: 01-2119449811-37-xxxx	C, Xi; R34, R37 Skin Corr 1B; H314 Eye Dam. 1; H318 Met. Corr. 1; H290 STOT SE3; H335	5 - 15 %
Sodium percarbonate	CAS no.: 15630-89-4 EC no.: 239-707-6 Registration number: 01-2119457268-30-xxxx	Xn, O; R22, R41, R8 Eye Dam. 1; H318; Acute tox. 4; H302; Ox. Sol. 2; H272;	5 - 15 %

Substance comments

5-15%: oxygen-based bleaching agents ,
 <5%: phosphates , nonionic surfactant , anionic surfactant ,
 <1% : perfume .
 The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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

Remove contaminated clothes and rinse skin thoroughly with water. Consult a physician for specific advice.

Eye contact

Important! Immediately rinse with water for at least 15 minutes. May cause

Ingestion	permanent damage if eye is not immediately irrigated. Make sure to remove any contact lenses from the eyes before rinsing. Immediately transport to hospital or eye specialist. Continue flushing during transport to hospital. 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	As described in section 2.2 and 2.3.
Delayed symptoms and effects	No known long term effects.

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

Other Information	In case of unconsciousness, ingestion or eye contact: Immediately call a doctor / ambulance. 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. Avoid contact with skin and eyes. Avoid inhalation of dust.
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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	Collect spillage with shovel, broom or the like. 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	Avoid inhalation of dust and contact with skin and eyes. Use work methods which minimize spreading of vapours, dust, smoke, aerosols, splashes etc. to the extent technically possible. Do not mix with acidic products.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in tightly closed original container. Keep away from food, drink and animal feeding stuffs. Store protected from acids. Water reactive storage.
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Conditions for safe storage

Storage Temperature	Value: -20-35 °C
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Storage Stabilit

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****Occupational Exposure limit values**

Substance	Identification	Value	TWA Year
Disodium metasilicate, pentahydrate	CAS no.: 10213-79-3 EC no.: 229-912-9 Registration number: 01-2119449811-37-xxxx		
Sodium percarbonate	CAS no.: 15630-89-4 EC no.: 239-707-6 Registration number: 01-2119457268-30-xxxx		
Mineral dust, inert		8-hour TWA: mg/m ³ 8-hour TWA: 10	2005

DNEL / PNEC from substances

Substance	Disodium metasilicate, pentahydrate
DNEL	Group: Consumer Exposure route: Dermal Exposure frequency: Long term (repeated) Type of effect: Systemic effect Value: 0,74 mg/kg bw/d Remarks: Supplier MSDS
DNEL	Group: Consumer Exposure route: Inhalation Exposure frequency: Long term (repeated) Type of effect: Systemic effect Value: 1,55 mg/m ³ Remarks: Supplier MSDS
DNEL	Group: Consumer Exposure route: Oral Exposure frequency: Long term (repeated) Type of effect: Systemic effect Value: 0,74 mg/kg bw/d Remarks: Supplier MSDS
DNEL	Group: Worker Exposure route: Dermal Exposure frequency: Long term (repeated) Type of effect: Systemic effect Value: 1,49 mg/kg bw/d Remarks: Supplier MSDS
DNEL	Group: Worker Exposure route: Inhalation Exposure frequency: Long term (repeated) Type of effect: Systemic effect Value: 6,22 mg/m ³ Remarks: Supplier MSDS
PNEC	Exposure route: Sewage treatment plant STP Value: 1000 mg/l Remarks: Supplier MSDS

PNEC	Exposure route: Water Value: 1 mg/l
PNEC	Remarks: Marine water, Supplier MSDS Exposure route: Water Value: 7,5 mg/l
Substance DNEL	Remarks: Fresh water. Supplier MSDS Sodium percarbonate Group: Worker Exposure route: Dermal Exposure frequency: Short term (acute) Type of effect: Local effect Value: 12,8 mg/cm ²
DNEL	Group: Worker Exposure route: Inhalation Exposure frequency: Long term (repeated) Type of effect: Local effect Value: 5 mg/m ³
DNEL	Group: Consumer Exposure route: Dermal Exposure frequency: Short term (acute) Type of effect: Local effect Value: 6,4 mg/cm ²
PNEC	Exposure route: Water Value: 0,035 mg/l
PNEC	Remarks: Fresh water Exposure route: Water Value: 0,035 mg/l
PNEC	Remarks: Sea water Exposure route: Sewage treatment plant STP Value: 16,24 mg/l
PNEC	Value: 0,035 mg/l Remarks: Intermittent use/release

8.2. Exposure controls

Recommended monitoring procedures	Not known.
Limitation of exposure on workplace	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Safety signs



Respiratory protection

Respiratory protection	No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m ³ . Dust filter P2 (for fine dust).
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Hand protection

Hand protection	Protective gloves should be used if there is a risk of direct contact or splash. Use protective gloves made of: Butyl rubber. Neoprene. Nitrile.
Breakthrough time	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

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 Reacts violently with strong acids. Risk of bumping (splashes).

10.4. Conditions to avoid

Conditions to avoid Water, moisture, acids and heating.

10.5. Incompatible materials

Materials to avoid Strong acids. Acids, oxidising. Alkali-sensitive metals such as aluminium, tin, lead and zinc and alloys with these metals.

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

Toxicological Information:

Other toxicological data Toxicological tests on the product has not been performed.

Toxicological data for substances

Substance	Disodium metasilicate, pentahydrate
LD50 oral	Value: > 1152-1349 mg/kg Animal test species: Rat Comments: Supplier MSDS
LD50 dermal	Value: > 5000 mg/kg Animal test species: rat Comments: Supplier MSDS
LC50 inhalation	Value: > 2,06 g/m ³ Animal test species: rat Comments: Supplier MSDS
Skin corrosion / irritation	Species: Not known. Result: Corrosive to skin. Method of testing: Not known.
Serious eye damage / irritation	Species: Not known. Result: Corrosive to eyes. Method of testing: Not known.
Respiratory or skin sensitisation	Species: Not known. Result: Not Sensitising. Method of testing: Not known.
Substance	Sodium percarbonate
LD50 oral	Value: = 1034 mg/kg Animal test species: Rat
LD50 dermal	Value: > 2000 mg/kg Animal test species: Rabbit
LC50 inhalation	Value: = 1,2 mg/l Animal test species: Mouse
Skin corrosion / irritation	Species: Not known. Result: Non irritation to skin. Method of testing: Not known.
Serious eye damage / irritation	Species: Not known. Result: Irreversible eye damage. Method of testing: Not known.
Respiratory or skin sensitisation	Species: Guinea Pig. Result: Not Sensitising. Method of testing: OECD 406

Other information regarding health hazards

General This chemical may cause skin/eye irritation and burns (corrosive).

Potential acute effects

Inhalation Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.

Skin contact	Corrosive to skin.
Eye contact	Dust or splashes from the mixture may cause permanent eye damage. Immediate first aid is necessary.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.

Symptoms of Exposure

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

12.1. Toxicity

Ecotoxicity	Large amounts of the product may affect the acidity (pH-factor) in water with possible risk of harmful effects to aquatic organisms.
Aquatic, comments	No data available for the product.

Toxicological data for substances

Substance	Disodium metasilicate, pentahydrate
Acute aquatic, fish	Value: 210 mg/l Method of testing: LC 50 Species: brachydanio rerio Duration: 96h Test reference: Supplier MSDS
Acute aquatic, Daphnia	Value: 1700 mg/l Method of testing: EC50 Species: Daphnia magna Duration: 48h Test reference: Supplier MSDS
Mobility, description	Mobility, description: Not relevant.
Persistence and degradability	Not relevant.
Bioaccumulation	The product does not contain any substances expected to be bioaccumulating.
Result of PBT assessment for the substance	Not Classified as PBT/vPvB by current EU criteria.
Substance	Sodium percarbonate
Persistence and degradability	The product solely consists of inorganic compounds which are not biodegradable.

12.2. Persistence and degradability

Persistence and degradability	The product is expected to be biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be 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

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
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12.6. Other adverse effects

Environmental details, summation	For this product no classification is required for environmental hazards.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point. Dispose of waste and residues in accordance with local authority requirements.
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Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	Yes
EWC waste code	EWC: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
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

14.1. UN number

ADR	3262
RID	3262
IMDG	3262
ICAO/IATA	3262

14.2. UN proper shipping name

ADR	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (DISODIUMTRIOXOSILICATE)
RID	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (DISODIUMTRIOXOSILICATE)
IMDG	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (DISODIUMTRIOXOSILICATE)
ICAO/IATA	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (DISODIUMTRIOXOSILICATE)

14.3. Transport hazard class(es)

ADR	8
Hazard no.	80
RID	8
IMDG	8
ICAO/IATA	8

14.4. Packing group

ADR	III
RID	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

IMDG Marine pollutant	No
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14.6. Special precautions for user

EmS	F-A, S-B
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information.

Additional information.	No other information noted.
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SECTION 15: Regulatory information

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

EEC-directive	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. Dangerous Preparations Directive 1999/45/EC.
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Other Label Information	Dangerous Substance Directive 67/548/EEC. For professional users only.
Biocides	No
Legislation and regulations	The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242). 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).

15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

Hazard symbol



R-phrases	R38 Irritating to skin. R41 Risk of serious damage to eyes.
S-phrases	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39 Wear eye/face protection.
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Skin Corr 1B; H314;
List of relevant R-phrases (under headings 2 and 3).	R41 Risk of serious damage to eyes. R8 Contact with combustible material may cause fire. R38 Irritating to skin. R37 Irritating to respiratory system. R34 Causes burns. R22 Harmful if swallowed.
List of relevant H-phrases (Section 2 and 3).	H318 Causes Serious eye damage. H302 Harmful if swallowed. H290 May be corrosive to metals. H335 May cause respiratory irritation. H314 Causes severe skin burns and eye damage. H272 May intensify fire; oxidiser.
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 which has been added, deleted or revised	All sections of the safety data sheet is updated. Labeling changed to CLP
Version	2
Responsible for safety data sheet	Novadan ApS
Prepared by	HBH

