

NOVADAN®

SAFETY DATA SHEET

Rinse Wax

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 21.06.2012

Revision date 04.12.2017

1.1. Product identifier

Product name Rinse Wax

Article no. 12736, 25117

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

Product group Car care agent.

Use of the substance / preparation Rinsing wax.

Relevant identified uses

- SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)
- PC6 Automotive Care 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.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 substance or mixture

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

Eye Irrit. 2; H319

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.

Precautionary statements

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

Prolonged skin contact may cause temporary irritation. 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
Triethanolaminesterquat	EC No.: 931-216-1 REACH Reg. No.: 01-2119472309-33-xxxx	Skin Irrit. 2; H315 Eye Irrit. 2; H319	5 < 10 %
2-(2-Butoxyethoxy)etanol	CAS No.: 112-34-5 EC No.: 203-961-6	Eye Irrit. 2;H319	5 – 15 %
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 – 5 %

Substance comments	<p>Propan-2-ol og 2-(2-Butoxyethoxy)ethanol er optaget på Arbejdstilsynets liste over organiske opløsningsmidler.</p> <p>5-15%: cationic surfactant ,</p> <p><5%: nonionic surfactant .</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: Seek medical attention and bring along 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	Eye contact may cause: Irritating and may cause redness and pain.
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

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. For personal protection, see section 8.

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 Dam and absorb spillage with sand, sawdust or other 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 Use work methods which minimize spreading of vapours, dust, smoke, aerosols, splashes etc. to the extent technically possible.

7.2. Conditions for safe storage, including any incompatibilities

Storage Store in tightly closed original container.

Conditions for safe storage

Storage temperature Value: -10 – 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.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
Triethanolaminesterquat			
2-(2-Butoxyethoxy)etanol	CAS No.: 112-34-5	TWA (8h): 100 mg/m ³	TWA Year: 2007
Propan-2-ol	CAS No.: 67-63-0	TWA (8h): 400 ppm	TWA Year: 2011
		TWA (8h): 999 mg/m ³	
		OEL short term value	
		Value: 500 ppm	
		OEL short term value	
		Value: 1250 mg/m ³	

DNEL / PNEC

Substance	Triethanolaminesterquat
DNEL	<p>Group: Consumer Route of exposure: Long term (repeated) – Dermal – Systemic effect Value: 187,5 mg/kg bw/d</p> <p>Group: Consumer Route of exposure: Long term (repeated) – Oral – Systemic effect Value: 7,5 mg/kg bw/d</p> <p>Group: Worker Route of exposure: Long term (repeated) – Dermal – Systemic effect Value: 312,5 mg/kg bw/d</p> <p>Group: Worker Route of exposure: Long term (repeated) – Inhalation – Systemic effect Value: 44 mg/m³</p> <p>Group: Consumer Route of exposure: Long term (repeated) – Inhalation – Systemic effect Value: 13 mg/m³</p>
PNEC	<p>Route of exposure: Freshwater Value: 0,00191 mg/l</p> <p>Route of exposure: Saltwater Value: 0,000191 mg/l</p> <p>Route of exposure: Soil Value: 0,115 mg/kg</p> <p>Route of exposure: Sewage treatment plant STP Value: 2,96 mg/l</p> <p>Route of exposure: Freshwater sediments Value: 0,58 mg/kg</p> <p>Value: 0,0191 mg/l Comments: Intermittent release</p>
Substance	Propan-2-ol
DNEL	<p>Group: Consumer Route of exposure: Long term (repeated) – Dermal – Systemic effect Value: 319 mg/kg bw/day Comments: ECHA</p> <p>Group: Worker Route of exposure: Long term (repeated) – Dermal – Systemic effect Value: 888 mg/kg bw/day Comments: ECHA</p> <p>Group: Consumer Route of exposure: Long term (repeated) – Inhalation – Systemic effect Value: 89 mg/m³ Comments: ECHA</p> <p>Group: Consumer Route of exposure: Long term (repeated) – Oral – Systemic effect</p>

	Value: 26 mg/kg bw/day Comments: ECHA
	Group: Worker Route of exposure: Long term (repeated) – Inhalation – Systemic effect Value: 500 mg/m ³ Comments: ECHA
PNEC	Route of exposure: Freshwater sediments Value: 552 mg/kg Route of exposure: Sewage treatment plant STP Value: 2251 mg/l Route of exposure: Saltwater Value: 140,9 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 Value: 140,9 Comments: Intermittent releases

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	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

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	Fluid.
Colour	Colourless to pale yellow.
Odour	No characteristic odour.
Odour limit	Comments: Not relevant.
pH	Status: In delivery state Value: ~ 2,5 Status: In aqueous solution Value: ~ 3,5 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.
Flammability (solid, gas)	Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Vapour density	Comments: Not relevant.
Bulk density	Value: ~ 1,00 kg/l.
Solubility	Comments: Disperses in water.
Partition coefficient: n-octanol/water	Comments: Not relevant.
Spontaneous combustability	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.
Viscosity	Value: < 50 mPas.
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.
----------	-------------------

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, CO ₂ , NO _x) may be formed.
----------------------------------	--

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Triethanolaminesterquat
-----------	-------------------------

Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: > 2000 mg/kg Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Value: > 2000 mg/kg Test reference: OECD 402
----------------	---

Substance	2-(2-Butoxyethoxy)etanol
-----------	--------------------------

Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 5660 mg/kg
----------------	--

Substance	Animal test species: rat Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Value: 2700 mg/kg Animal test species: rabbit
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Duration: single dose Value: 5840 mg/kg Animal test species: rat Test reference: OECD 401 Comments: ECHA Type of toxicity: Acute Effect tested: LC50 Route of exposure: Inhalation. Duration: 6h Value: > 10000 ppm Animal test species: rat Test reference: OECD 403 Comments: ECHA Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Duration: 24h Value: 16,4 mL/kg Animal test species: rabbit Test reference: OECD 402 Comments: ECHA
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	Skin irritation is not anticipated when used normally.
Eye contact	Irritating and may cause redness and pain.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.
Sensitisation	No evidence for respiratory nor skin sensitization.
Mutagenicity	No evidence for germ cell mutagenicity.
Carcinogenicity, other information	No evidence for carcinogenicity.
Reproductive toxicity	No evidence for reproductive toxicity.

Assessment of specific target organ SE, classification	No evidence for STOT-single exposure.
Assessment of specific target organ toxicity RE, 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.
--------------------------	-----------------------------

SECTION 12: Ecological information

12.1. Toxicity

Substance	Triethanolaminesterquat
Acute aquatic, fish	Value: 1,91 mg/l Test duration: 96h Species: Oncorhynchus mykiss Method: OECD 203
Substance	2-(2-Butoxethoxy)etanol
Acute aquatic, fish	Value: 1805 mg/l Test duration: 48h Species: Fish Method: LC50
Substance	Propan-2-ol
Acute aquatic, fish	Value: 8970 – 9280 mg/l Test duration: 48h Species: Leuciscus idus melanotus Method: LC50
Substance	Triethanolaminesterquat
Acute aquatic, algae	Value: 2,14 mg/l Test duration: 72h Species: Desmodesmus subspicatus Method: OECD TG 201
Substance	Propan-2-ol
Acute aquatic, algae	Value: 1800 mg/l Test duration: 8d Species: Scenedesmus quadricauda Method: TGK
Substance	Triethanolaminesterquat
Acute aquatic, Daphnia	Value: 2,23 mg/l Test duration: 48h Species: Daphnia magna Method: Direktiv 67/548/EEC
Substance	2-(2-Butoxethoxy)etanol

Acute aquatic, Daphnia	Value: 3200 mg/l Test duration: 24h Species: Daphnia Method: EC50
Substance	Propan-2-ol
Acute aquatic, Daphnia	Value: 9715 mg/l Test duration: 24h Species: Daphnia magna Method: LC50
Ecotoxicity	The product is not expected to be hazardous to the environment.
Aquatic, comments	No data available for the product.

12.2. Persistence and degradability

Substance	Triethanolaminesterquat
Biodegradability	Value: > 90 % Method: OECD 301 Test period: 28d
Substance	Propan-2-ol
Biodegradability	Value: 95 % Method: OECD 301E Test period: 21d
Persistence and degradability, comments	The product is easily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Will not bio-accumulate.
---------------------------	--------------------------

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
------------------------	--

12.6. Other adverse effects

Environmental details, summation	For this product no classification is required for environmental hazards.
----------------------------------	---

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 in a safe way. 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

EWL packing	EWC waste code: 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

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

Comments Not relevant.

14.6. Special precautions for user

Special safety precautions for user Not relevant.

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

Additional information

Additional information Not relevant.

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.

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).
 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.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]
 Eye Irrit. 2; H319

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: 5% Does not require a hazard warning label.

Information added, deleted or revised
 Change to Sections: 1, 2, 8, 9, 11, 12, 15, 16

Version
 4

Prepared by
 ALM