

SAFETY DATA SHEET

Based on Directive 2001/58/EC of the Commission of the European Communities



Art. Nr. 464020000, CLEANY ULTRA

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Product name : Art. No. 464020000, CLEANY ULTRA
Synonyms : none
CAS No. : N.A.
EC index No. : N.A.
EINECS No. : N.A.
RTECS No. : N.A.
NFPA code : N.D.
Molecular weight : N.A.
Formula : N.A.



1.2 Use of the substance or the preparation:

Cleansing agent

1.3 Company/undertaking identification:

NOVATIO EUROPE N.V.
Industrielaan 5D
B-2250 Olen
Tel. : +32 14 25 76 40
Fax : +32 14 22 02 66
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1.4 Telephone number for emergency:

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Brandweerinformatiecentrum voor gevaarlijke stoffen (B.I.G.)
Technische Schoolstraat 43A, B-2440 Geel

2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS/ELINCS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
low boiling point naphtha, unspecified (Conc. benzene <0.1%)	064742-95-6 265-199-0	5-<10	Xn;N	10-38-51/53-65-67 (1) (Labelling in compliance with CONCAWE)
1,2,4-trimethylbenzene	95-63-6 202-436-9	5-<10	Xn;N	10-20-36/37/38-51/53 (1)
dimethyl-succinate	106-65-0 203-419-9	<5	Xi	36 (1)
a mixture of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC No 220-239-6]	55965-84-9 -	0.0005	T;N	23/24/25-34-43-50/53 (1)
sodium dodecylbenzene sulphonate	25155-30-0 246-680-4	<5	Xn;N	22-37/38-41-50 (1)

(1) For R-phrases in full: see heading 16

3. Hazards identification

- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4. First aid measures

4.1 Eye contact:

- Consult a doctor/medical service if irritation persists
- Rinse immediately with water
- Do not apply neutralizing agents

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- 4.2 Skin contact:**
- Consult a doctor/medical service if irritation persists
 - Rinse with water
- 4.3 After inhalation:**
- Consult a doctor/medical service if breathing problems develop
 - Remove the victim into fresh air
 - Unconscious: maintain adequate airway and respiration
- 4.4 After ingestion:**
- Consult a doctor/medical service if you feel unwell
 - Immediately give lots of water to drink
 - Never give water to an unconscious person
 - Do not induce vomiting

5. Fire-fighting measures

- 5.1 Suitable extinguishing media:**
- All extinguishing media allowed
- 5.2 Unsuitable extinguishing media:**
- No data available
- 5.3 Special exposure hazards:**
- Material presenting a fire hazard
- 5.4 Instructions:**
- Take account of environmentally hazardous firefighting water
 - Use firefighting water moderately and contain it
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen apparatus
 - Protective clothing for exposure to chemicals

6. Accidental release measures

- 6.1 Personal protection/precautions:**
See heading 8.2/8.3/13
- 6.2 Environmental precautions:**
- Prevent soil and water pollution
 - Prevent spreading in sewers
 - Contain leaking substance
 - Dam up the solid spill
- 6.3 Methods for cleaning up:**
- Scoop solid spill into closing containers
 - Carefully collect the spill/leftovers
 - Clean contaminated surfaces with an excess of water
 - Wash clothing and equipment after handling

7. Handling and storage

- 7.1 Handling:**
- Observe normal hygiene standards
 - Do not discharge the waste into the drain
- 7.2 Storage:**
- Keep container tightly closed
 - Store in a cool area
 - Store in a dry area
 - Keep container in a well-ventilated place
 - Keep away from: heat sources, oxidizing agents

Storage temperature	: N.D.	°C
Quantity limits	: N.D.	kg
Storage life	: N.D.	days
Materials for packaging	:	
- to avoid	: no data available	

- 7.3 Specific uses:**
- See information supplied by the manufacturer

8. Exposure controls/Personal protection

8.1 Exposure limit values:

1,2,4-trimethylbenzene

TLV-TWA	:		mg/m ³	25		ppm
TLV-STEL	:		mg/m ³	-		ppm
WEL-LTEL	:	125	mg/m ³	25		ppm
WEL-STEL	:	-	mg/m ³	-		ppm
MAK	:	100	mg/m ³	20		ppm
MAC-TGG 8 h	:	100	mg/m ³			
MAC-TGG 15 min.	:	200	mg/m ³			
VME-8 h	:	125	mg/m ³	25		ppm
VLE-15 min.	:	-	mg/m ³	-		ppm
GWBB-8 h	:	100	mg/m ³	20		ppm
GWK-15 min.	:	-	mg/m ³	-		ppm
EC	:	100	mg/m ³	20		ppm
EC-STEL	:	-	mg/m ³	-		ppm

Sampling methods:

- Petroleum Distillate (Naphthas) NIOSH 1550
- Petroleum Distillates (Naphtha) OSHA 48
- Trimethyl Benzene OSHA CSI

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- No data available

8.2.2 Environmental exposure controls: see heading 13

8.3 Personal protection:

8.3.1 respiratory protection:

- No data available

8.3.2 hand protection:

- No data available
- Suitable materials: No data available
- Breakthrough time: N.D.

8.3.3 eye protection:

- Safety glasses

8.3.4 skin protection:

- No data available
- Suitable materials: No data available

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C) : Paste
Odour : Mild
Colour : Orange

9.2 Important health, safety and environmental information:

pH value : 7
Boiling point/boiling range : N.D. °C
Flashpoint : 62 °C
Explosion limits : N.D. vol% (°C)
Vapour pressure (at 20°C) : N.D. hPa
Vapour pressure (at 50°C) : N.D. hPa
Relative density (at 20°C) : 0.93
Water solubility : Miscible with water
Soluble in : N.D.
Relative vapour density : N.D.
Viscosity : N.D. Pa.s
Partition coefficient n-octanol/water : N.D.
Evaporation rate :
ratio to butyl acetate : N.D.
ratio to ether : N.D.

9.3 Other information:

Melting point/melting range : 35 °C
Auto-ignition point : N.D. °C
Saturation concentration : N.D. g/m³

10. Stability and reactivity

10.1 Conditions to avoid/reactivity:

- Stable under normal conditions

10.2 Materials to avoid:

- Keep away from: heat sources, oxidizing agents

10.3 Hazardous decomposition products:

- Upon combustion formation of CO, CO₂ and small quantities of nitrous vapours, sulphur oxides

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat : N.D. mg/kg
LD50 dermal rat : N.D. mg/kg
LD50 dermal rabbit : N.D. mg/kg
LC50 inhalation rat : N.D. mg/l/4 h
LC50 inhalation rat : N.D. ppm/4 h

11.2 Chronic toxicity:

EC carc. cat. : not listed
EC muta. cat. : not listed
EC repr. cat. : not listed

Carcinogenicity (TLV) : not listed
Carcinogenicity (MAC) : not listed
Carcinogenicity (VME) : not listed
Carcinogenicity (GWBB) : not listed

Carcinogenicity (MAK) : not listed
Mutagenicity (MAK) : not listed
Teratogenicity (MAK) : C (1,2,4-trimethylbenzene)

IARC classification : not listed

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11.3 Routes of exposure: ingestion, inhalation, eyes and skin

11.4 Acute effects/symptoms:

AFTER INGESTION

- Gastrointestinal complaints
- Vomiting

AFTER EYE CONTACT

- Slight irritation

11.5 Chronic effects:

- Contains a substance of group C (MAK-Schwangerschaftsgruppe) (1,2,4-trimethylbenzene)

12. Ecological information

12.1 Ecotoxicity:

1,2,4-trimethylbenzene:

- LC50 (96 h) : 7.72 mg/l (PIMEPHALES PROMELAS)
- EC50 (48 h) : 3.6 mg/l (DAPHNIA MAGNA)
- EC50 (72 h) : 1 mg/l (ALGAE)

12.2 Mobility:

- Volatile organic compounds (VOC): \geq 5.89%
- Miscible with water

For other physicochemical properties see heading 9

12.3 Persistence and degradability:

- | | | | |
|-----------------------------------|---|-----------|--------|
| - biodegradation BOD ₅ | : | N.D. | % ThOD |
| - water | : | N.D. | |
| - soil | : | T ½: N.D. | days |

12.4 Bioaccumulative potential:

- log P_{ow} : N.D.
- BCF : N.D.

12.5 Other adverse effects:

- WGK : 2 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- Effect on the ozone layer : Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect : no data available
- Effect on waste water purification : no data available

13. Disposal considerations

13.1 Provisions relating to waste:

- Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 07 06 04* (other organic solvents, washing liquids and mother liquors)
- Hazardous waste (91/689/EEC)

13.2 Disposal methods:

- Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste
- Avoid discharge of large amounts into the sewer
- Use appropriate containment to avoid environmental contamination

13.3 Packaging/Container:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10* (packaging containing residues of or contaminated by dangerous substances)

14. Transport information

14.1 Classification of the substance in compliance with UN Recommendations

UN number :
CLASS : NOT SUBJECT
SUB RISKS :
PACKING :
PROPER SHIPPING NAME :

14.2 ADR (transport by road)

CLASS : NOT SUBJECT
PACKING :
CLASSIFICATION CODE :
DANGER LABEL TANKS :
DANGER LABEL PACKAGES :

14.3 RID (transport by rail)

CLASS : NOT SUBJECT
PACKING :
CLASSIFICATION CODE :
DANGER LABEL TANKS :
DANGER LABEL PACKAGES :

14.4 ADNR (transport by inland waterways)

CLASS : 9 (TANK-VESSEL)
PACKING :
CLASSIFICATION CODE :
DANGER LABEL TANKS :
DANGER LABEL PACKAGES :

14.5 IMDG (maritime transport)

CLASS : NOT SUBJECT
SUB RISKS :
PACKING :
MFAG :
EMS :
MARINE POLLUTANT :

14.6 ICAO (air transport)

CLASS : NOT SUBJECT
SUB RISKS :
PACKING :
PACKING INSTRUCTIONS PASSENGER AIRCRAFT :
PACKING INSTRUCTIONS CARGO AIRCRAFT :

14.7 Special precautions in connection with transport

: not restricted for any mode of international transport

15. Regulatory information

Classification according to directives 67/548/EEC and 1999/45/EC

Hazard symbol: not applicable

R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S61 : Avoid release to the environment. Refer to special instructions/safety data sheets.

16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
(*) = INTERNAL CLASSIFICATION (NFPA)

Exposure limits:

TLV : Threshold Limit Value - ACGIH USA
WEL : Workplace exposure limits - United Kingdom
MAK : Maximale Arbeitsplatzkonzentrationen - Germany
TRK : Technische Richtkonzentrationen - Germany
MAC : Maximale aanvaarde concentratie - The Netherlands
VME : Valeurs limites de Moyenne d'Exposition - France
VLE : Valeurs limites d'Exposition à court terme - France
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium
GWK : Grenswaarde kortstondige blootstelling - Belgium
EC : Indicative occupational exposure limit values - directive 2000/39/EC

I : Inhalable fraction = **T**: Total dust = **E**: Einatembarer Aerosolanteil
R : Respirable fraction = **A**: Alveolengängiger Aerosolanteil/Alveolar dust
C : Ceiling limit

a: aerosol	r: rook/Rauch	(fume)
d: damp (vapour)	st: stof/Staub	(dust)
du: dust	ve: vezel	(fibre)
fa: Faser (fibre)	va: vapour	
fi: fibre	om: oil mist	
fu: fume	on: olienevel/Ölnebel	(oil mist)
p: poussière (dust)	part: particles	

Chronic toxicity:

K : List of the carcinogenic substances and processes - The Netherlands 2004

Full text of any R-phrases referred to under heading 2:

R10 : Flammable
R20 : Harmful by inhalation
R22 : Harmful if swallowed
R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed
R34 : Causes burns
R36 : Irritating to eyes
R36/37/38 : Irritating to eyes, respiratory system and skin
R36/38 : Irritating to eyes and skin
R37/38 : Irritating to respiratory system and skin
R38 : Irritating to skin
R41 : Risk of serious damage to eyes
R43 : May cause sensitisation by skin contact
R50 : Very toxic to aquatic organisms
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 : Harmful: may cause lung damage if swallowed
R67 : Vapours may cause drowsiness and dizziness