

NOVEL 8-7

Version: 4.01

Revision Date 06.12.2018

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name	NOVEL 8-7
Substance name (REACH / CLP)	Octan-1-ol, ethoxylated (≥ 2.5 EO) (CAS : 27252-75-1)

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

Use	Industrial use raw material for washing and cleaning agents surface-active substance
Uses advised against	

1.3 Details of the supplier of the safety data sheet

Company	Sloveca, Sasol Slovakia, spol. s r.o. Mostová 2 811 02 Bratislava Slovak Republic Telephone: +421 2 54430219 Telefax: +421 2 54430315
Information (Product safety):	Telephone: +421 46 546 1204 Telefax: +421 46 546 1144
E-mail address	msds-info.italy@it.sasol.com

1.4 Emergency telephone number

Emergency telephone number	+421 902 899981; +421 25 477 4166 National Toxicological Information Centre (24 hours)
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SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Acute toxicity Category 4 (Oral)	Harmful if swallowed.
Serious eye damage Category 1	Causes serious eye damage.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)****Hazard pictograms**

Signal word	Danger
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Hazard statements

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H302	Harmful if swallowed.
H318	Causes serious eye damage.
Precautionary statements	
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear eye protection/ face protection.
P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

The information required is contained in this Material Safety Data Sheet.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a substance in the meaning of regulation (EC) 1907/2006.

COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES**Octan-1-ol, ethoxylated (>= 2.5 EO)****content:** >= 90 - <= 100 %**component type:** Active ingredient**EC-No.:** 933-544-0**Index-No.:****CAS-No.:** 27252-75-1**REACH No.:** Not relevant (polymer)**Substance name (REACH / CLP):** Octan-1-ol, ethoxylated (>= 2.5 EO) (CAS : 27252-75-1)**Classification (Regulation**

Acute Tox. 4 (Oral)

H302

(EC) No 1272/2008):

Eye Dam. 1

H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible).
If inhaled	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
In case of skin contact	Wash off with plenty of water.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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If swallowed Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed Symptoms: No information available.
Risks: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed Treatment: No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Water spray, Dry powder, Foam, Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting Dangerous gases or fumes may occur in case of fire.

5.3 Advice for firefighters

Special protective equipment for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

Further information Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment.

Special precautions Forms slippery/greasy layers with water.

6.2 Environmental precautions

Environmental precautions Avoid subsoil penetration.
Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

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Advice on safe handling	Wear personal protective equipment. Avoid contact with skin and eyes.
Advice on protection against fire and explosion	No special protective measures against fire required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	No special storage conditions required.
Storage class (TRGS 510)	10-13: German Storage Class 10 to 13
Other data	Protect from frost, heat and sunlight.

7.3 Specific end use(s)

Specific use(s)	This information is not available.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS****National occupational exposure limits**

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)**Substance name: Octan-1-ol, ethoxylated (>= 2.5 EO) (CAS : 27252-75-1)**

No data available

PREDICTED NO EFFECT CONCENTRATION (PNEC)**Substance name: Octan-1-ol, ethoxylated (>= 2.5 EO) (CAS : 27252-75-1)**

No data available

8.2 Exposure controls**PERSONAL PROTECTIVE EQUIPMENT**

Respiratory protection	No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.
Hand protection	The choice of an appropriate glove does not only depend on its material but also

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on other quality features and is different from one producer to the other., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

gloves suitable for permanent contact:

Material: butyl-rubber
Break through time: >= 480 min
Layer thickness: >= 0,7 mm

gloves suitable for splash protection:

Material: Nitrile rubber/nitrile latex
Break through time: >= 30 min
Layer thickness: >= 0,4 mm

Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment.
Hygiene measures	Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wear suitable gloves and eye/face protection.
Protective measures	Avoid contact with eyes. Wear suitable gloves and eye/face protection.

ENVIRONMENTAL EXPOSURE CONTROLS

General advice	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	liquid; 20 °C; 1,013 hPa
Form	liquid
Colour	clear to slightly hazy
Odour	characteristic
Odour Threshold	No valid method available
pH	6 - 8; 1 % active substance; 20 °C; STN EN 1262
Melting point/range	-1 - 3 °C; 1,013 hPa; STN 65 6072
Boiling point/boiling range	132 - 295 °C
Flash point	ca. 254 °C; 1,013 hPa
Evaporation rate	No data available
Flammability (solid, gas)	not applicable (liquid)

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Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	0,14 hPa; 0 °C
Relative vapour density	> 1
Density	1,010 g/cm ³ ; 20 °C; 1,013 hPa; STN EN ISO 12185
Relative density	No data available
Water solubility	100 g/l; 20 °C; 1,013 hPa; soluble
Partition coefficient: n-octanol/water	Not relevant / not applicable Justification: surface-active substance
Ignition temperature	ca. 387 °C
Auto-ignition temperature	not auto-flammable
Viscosity, dynamic	ca. 40,6 mPas; 20 °C; STN EN ISO 3104
Viscosity, kinematic	ca. 40,2 mm ² /s; 20 °C; (calculated)
Explosive properties	not expected based on structure and functional groups
Oxidizing properties	not expected based on structure and functional groups

9.2 Other data

None known.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity**Note** No decomposition if stored and applied as directed.**10.2 Chemical stability****Note** Stable under normal conditions.**10.3 Possibility of hazardous reactions****Hazardous reactions** None known.**10.4 Conditions to avoid****Conditions to avoid** Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.**10.5 Incompatible materials to avoid****Materials to avoid** Strong acids and oxidizing agents;**10.6 Hazardous decomposition products****Hazardous decomposition products** No decomposition if stored normally.**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects

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Acute toxicity

Acute oral toxicity	Octan-1-ol, ethoxylated (≥ 2.5 EO): LD50 Rat: > 300 - 2.000 mg/kg Category approach own test results/literature values Harmful if swallowed.
Acute inhalation toxicity	Octan-1-ol, ethoxylated (≥ 2.5 EO): No data available
Acute dermal toxicity	Octan-1-ol, ethoxylated (≥ 2.5 EO): LD50 Rabbit: > 2.000 mg/kg; Category approach (literature value) Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Skin irritation	Octan-1-ol, ethoxylated (≥ 2.5 EO): Rabbit: not irritating own test results/literature values Category approach Based on available data, the classification criteria are not met.
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Serious eye damage/eye irritation

Eye irritation	Octan-1-ol, ethoxylated (≥ 2.5 EO): Rabbit: Irreversible effects on the eye own test results/literature values Category approach Causes serious eye damage.
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Respiratory or skin sensitisation

Sensitisation	Octan-1-ol, ethoxylated (≥ 2.5 EO): Maximisation Test Guinea pig: not sensitizing Category approach (literature value) Based on available data, the classification criteria are not met.
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Germ cell mutagenicity

Genotoxicity in vitro	Octan-1-ol, ethoxylated (≥ 2.5 EO): In vitro tests did not show mutagenic effects Category approach own test results/literature values
Genotoxicity in vivo	Octan-1-ol, ethoxylated (≥ 2.5 EO): In vivo tests did not show mutagenic effects Category approach (literature value)
Remarks	Octan-1-ol, ethoxylated (≥ 2.5 EO): Based on available data, the classification criteria are not met.

Carcinogenicity

Remarks	Octan-1-ol, ethoxylated (≥ 2.5 EO): Based on available data, the classification criteria are not met.
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Reproductive toxicity

Reproductive toxicity	Octan-1-ol, ethoxylated (≥ 2.5 EO): Animal testing did not show any effects on fertility. Category approach
RemarksReproductive toxicity	Octan-1-ol, ethoxylated (≥ 2.5 EO): Based on available data, the classification criteria are not met.

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Teratogenicity	Octan-1-ol, ethoxylated (≥ 2.5 EO): Did not show teratogenic effects in animal experiments. Category approach
Remarks-Teratogenicity	Octan-1-ol, ethoxylated (≥ 2.5 EO): Based on available data, the classification criteria are not met.
STOT - single exposure	
Remarks	Octan-1-ol, ethoxylated (≥ 2.5 EO): The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT - repeated exposure	
Remarks	Octan-1-ol, ethoxylated (≥ 2.5 EO): The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Repeated dose toxicity	Octan-1-ol, ethoxylated (≥ 2.5 EO): Rat; Oral; 2 years NOAEL: 50 mg/kg (based on body weight and day) Target Organs: Heart, Liver, Kidney Symptoms: reduced body weight gain, increased relative organ weights Category approach (literature value)
Aspiration hazard	
Aspiration toxicity	Octan-1-ol, ethoxylated (≥ 2.5 EO): Not applicable
Toxicological information	Octan-1-ol, ethoxylated (≥ 2.5 EO): Toxicokinetics Category approach The substance is expected to be rapidly absorbed and excreted. (literature value)

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	Octan-1-ol, ethoxylated (≥ 2.5 EO): LC50 (96 h) Cyprinus carpio (Carp): 10 - 100 mg/l ; flow-through test; OECD Test Guideline 203 own test results/literature values Category approach
Toxicity to daphnia and other aquatic invertebrates	Octan-1-ol, ethoxylated (≥ 2.5 EO): EC50 (48 h) Daphnia magna (Water flea): 10 - 100 mg/l ; static test; OECD Test Guideline 202 own test results/literature values Category approach
Toxicity to aquatic plants	Octan-1-ol, ethoxylated (≥ 2.5 EO): EC50 (72 h) Desmodesmus subspicatus (green algae): 10 - 100 mg/l ; static test; OECD Test Guideline 201; own test results/literature values Category approach
Toxicity to bacteria	Octan-1-ol, ethoxylated (≥ 2.5 EO): EC50 activated sludge: 140 mg/l; Respiration inhibition Category approach

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	(literature value)
Toxicity to soil dwelling organisms	Octan-1-ol, ethoxylated (≥ 2.5 EO): NOEC Eisenia foetida: 220 mg/kg; reproduction rate; artificial soil Category approach (literature value)
Toxicity to terrestrial flora	Octan-1-ol, ethoxylated (≥ 2.5 EO): emergence, growth; NOEC: 10 mg/kg; Lepidium sativum (cress); OECD Test Guideline 208 own test results/literature values Category approach
Toxicity for other terrestrial non-mammalian fauna	Octan-1-ol, ethoxylated (≥ 2.5 EO): No data available
12.2 Persistence and degradability	
Biodegradability	Octan-1-ol, ethoxylated (≥ 2.5 EO): Readily biodegradable.; $> 60\%$; 28 d; aerobic; OECD Test Guideline 301B own test results/literature values Category approach
12.3 Bioaccumulative potential	
Bioaccumulation	Octan-1-ol, ethoxylated (≥ 2.5 EO): Bioaccumulation is unlikely. (literature value)
12.4 Mobility in soil	
Mobility	Octan-1-ol, ethoxylated (≥ 2.5 EO): Koc: 459 - 635; calculated low mobility in soils
12.5 Results of PBT and vPvB assessment	
Results of PBT assessment	Octan-1-ol, ethoxylated (≥ 2.5 EO): Based on available data, the classification criteria are not met.
12.6 Other adverse effects	
General advice	Octan-1-ol, ethoxylated (≥ 2.5 EO): None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	Can be incinerated, when in compliance with local regulations.
Contaminated packaging	Empty remaining contents.
waste code of the European Union: EWC	A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. The waste code must be determined in agreement with the regional waste disposal authority or company.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

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ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.2 Proper shipping name

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.3 Transport hazard class

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.4 Packing group

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.5 Environmental hazards

ADR	Environmentally hazardous	no
RID	Environmentally hazardous	no
ADN	Environmentally hazardous	no
IMDG	Marine pollutant	no
ICAO/IATA	Environmentally hazardous	no

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

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

Remarks No information available.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Occupational restrictions Employment restrictions for children and young workers in accordance with Directive 94/33/EC and the respective national provisions are to be observed.

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NATIONAL/OTHER REGULATIONS

Legislation on the control of major-accident hazards involving dangerous substances

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
list entry in the directive:: Not applicable

NOTIFICATION STATUS

Switzerland. Consolidated Inventory	CH INV	listed (product or constituents are listed)
US. Toxic Substances Control Act	TSCA	listed (product or constituents are listed)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	listed (product or constituents are listed)
Japan. Kashin-Hou Law List	ENCS (JP)	listed (product or constituents are listed)
Japan. Industrial Safety & Health Law (ISHL) List	ISHL (JP)	listed (product or constituents are listed)
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances	INV (CN)	listed (product or constituents are listed)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	NZIOC	listed (product or constituents are listed)
Taiwan. Existing Chemicals Inventory (MOL No. 10302023691)	TCSI	listed (product or constituents are listed)

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

15.2 Chemical safety assessment

Octan-1-ol, ethoxylated (>= 2.5 EO) (CAS : 27252-75-1)

A Chemical Safety Assessment is not required for this substance (exempted from obligation to register).

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H318	Causes serious eye damage.

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Safety datasheet sections which have been updated:

1. Identification of the substance/mixture and of the company/undertaking
3. Composition/information on ingredients
7. Handling and storage
8. Exposure controls/personal protection
9. Physical and chemical properties
11. Toxicological information
12. Ecological information
15. Regulatory information
16. Other information

Further information:

The information provided in this Safety Data Sheet 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 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 materials or in any process, unless specified in the text.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Key or legend to abbreviations and acronyms used in the safety data sheet

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
ANSI	American National Standards Institute
ASTM	American Society of Testing and Materials (US)
BCF	Bioconcentration factor
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DIN	Deutsches Institut für Normung
DNEL	Derived No-Effect Level
DSL	Domestic Substances List
EC...	Effect concentration ... %
ENCs	Existing Notified Chemical Substances (Japan)
EWC	European Waste Catalogue
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISHL	Industrial Safety and Health Law (Japan)
ISO	International Organization for Standardization
IUAPC	International Union of Pure and Applied Chemistry
KECI	Korea Existing Chemicals Inventory
LC...	Lethal Concentration, ...%
LD...	Lethal Dose, ...%
MARPOL	International Convention for the Prevention of Pollution From Ships
NDSL	Non-Domestic Substances List
NOAEL	no observable adverse effect level
NOEL/NOEC	No Observed-effect level/concentration
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
PBT	persistent, bioaccumulative, toxic
PICCS	Philippine Inventory of Chemicals and Chemical Substances
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport international ferroviaire de marchandises dangereuses
TG	Test Guideline
TRGS	Technische Regeln für Gefahrstoffe
TSCA	Toxic Substances Control Act
vPvB	very persistent, very bioaccumulative
WGK	Wassergefährdungsklasse



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