Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 03.09.2024 Version number 25 (replaces version 24) Revision: 03.09.2024

*
SECTION 1: Identification of the substance/mixture and of the company/ undertaking

· **1.1 Product identifier**
· **Creation date version 1** 02.01.2003

· **Trade name NEUKADUR MultiCast 11**

· **Article number:** P1031

· **Utilization of the substance of the formulation:** Polyol for Polyurethanes
· **UFI:** M7YC-TFE1-D00S-XD4S
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
ALTROPOL KUNSTSTOFF GmbH
Rudolf-Diesel-Str 9 - 13
D-23617 Stockelsdorf
Tel. +49 (0)451-49960-0
Fax. +49 (0)451-49960-20
e-mail: info@altropol.de

· **Further information obtainable from:** environment protection department
· **1.4 Emergency telephone number:**
During normal opening times (7 am - 5 pm)
phone : +49 (0)451-49960-0
National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)
Healthcare Professionals: +353 (1) 809 2566 (24 hour service)
CHEMTREC Emergency Phone Numbers (24 hours / 7 days)
Ireland:
+353 1 901 4670

Other countries:
Country / Language / Emergency Phone Number
Bulgaria / Bulgarian / +359 32 570 104
Croatia / Croatian / +385 1 7776 920
Estonia / Estonian / +372 668 1294
Iceland /Icelandic / +354 539 0655*
Lithuania / Lithuanian / +370 5 214 0238
Luxembourg / Luxembourgish, French, and German / +352 20 20 24 16
Macedonia / Macedonian / +389 2 551 7456*
Russia / Russian / 8 (800) 100-63-46*
Slovakia / Slovak / +421 2/330 579 72
Ukraine / Ukrainian / +380 94 710 1374
*This phone number is not guaranteed outside the listed country.

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SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**



GHS07

· **Signal word** Warning
· **Hazard statements**
H319 Causes serious eye irritation.
· **Precautionary statements**
P264 Wash thoroughly after handling.
P280 Wear eye protection / face protection.
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**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**		
CAS: 102-60-3 EINECS: 203-041-4	1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol Eye Irrit. 2, H319	10-25%
CAS: 110-63-4 EINECS: 203-786-5	Tetramethylenglycol Acute Tox. 4, H302; STOT SE 3, H336	≥10-<20%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** If skin irritation continues, consult a doctor.
· **After eye contact:** Rinse opened eye for several minutes under running water.
· **After swallowing:**
If swallowed, rinse mouth with water (only if the person is conscious).
A person vomiting while laying on their back should be turned onto their side.
Seek immediate medical advice.
· **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water in the full ray
· **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
carbon dioxide
· **5.3 Advice for firefighters**
· **Protective equipment:** Wear self-contained respiratory protective device.
· **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
Particular danger of slipping on leaked/spilled product.
· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling***
Inform personnel of the affiliated with the product hazards and risks
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
· ***Information about fire - and explosion protection:***
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· ***7.2 Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:***
Keep container tightly closed and dry and storage in a good ventilated room.

Storage temperature: 20 - 25 °C.
· ***Information about storage in one common storage facility:***
Store away from reducing agents.
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
Store away from foodstuffs.
· ***Further information about storage conditions:***
Protect from humidity and water.
Store in dry conditions.
Protect from frost.
This product is hygroscopic.
· ***Storage class:*** *10*
· ***7.3 Denomination of Origin*** *Made in Germany*
· ***Processing information*** *Homogenize content before use*
· ***General remark*** *For processing instructions see data sheet*

SECTION 8: Exposure controls/personal protection

· ***8.1 Control parameters***
· ***Ingredients with limit values that require monitoring at the workplace:***
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**		
25723-16-4 Propylidynetrimethanol, propoxylated		
Oral	*DNEL Long term - systemic effects*	*8.3 mg/kg/d (General population)*
Dermal	*DNEL Long term - systemic effects*	*8.3 mg/kg/d (General population)*
		13.9 mg/kg/d (workers)
Inhalative	*DNEL Long-term - systemic effects*	*29 mg/m³ (General population)*
		98 mg/m³ (workers)

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102-60-3 1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol		
Oral	*DNEL Long-term - systemic effects*	*2.5 mg/kg (General population)*
Dermal	*DNEL Long-term - systemic effects*	*2.5 mg/kg (General population)*
		4.2 mg/kg (workers)
Inhalative	*DNEL Long-term - systemic effects*	*8.7 mg/m³ (General population)*
		29.4 mg/m³ (workers)

· ***PNECs***	
25723-16-4 Propylidynetrimethanol, propoxylated	
PNEC STP	*1,000 mg/L (sewage plant)*
PNEC sediment	*0.52 mg/kg (freshwater- sediment)*
PNEC soil	*0.066 mg/kg (soil (Boden))*
PNEC	*0.2 mg/l (freshwater)*
	0.02 mg/l (marine water)
	0.052 mg/l (seawater - sediment)
102-60-3 1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol	
PNEC STP	*70 mg/L (sewage plant)*
PNEC sediment	*0.0193 mg/kg (marine water)*
	0.193 mg/kg (freshwater- sediment)
PNEC soil	*0.0183 mg/kg (soil (Boden))*
PNEC	*0.085 mg/l (freshwater)*
	0.0085 mg/l (marine water)
	1.51 mg/l (intermittent releases)

· ***Additional information:*** *The lists valid during the making were used as basis.*

· ***8.2 Exposure controls***
· ***Appropriate engineering controls*** *No further data; see section 7.*
· ***Individual protection measures, such as personal protective equipment***
· ***General protective and hygienic measures:*** *Wash hands before breaks and at the end of work.*
· ***Respiratory protection:*** *Not necessary if room is well-ventilated.*
· ***Hand protection***
Preventive skin protection (3-point program) required
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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· **Penetration time of glove material**
Suitable materials for protective gloves, EN 374-3:
Polychloroprene - CR: thickness> = 0.5 mm, breakthrough time> = 480 min.
NBR - NBR: thickness> = 0,35 mm, Breakthrough time> = 480 min.
Butyl rubber - IIR: thickness> = 0.5 mm, breakthrough time> = 480 min.
Fluorine rubber - FKM: thickness> = 0.4 mm; breakthrough time> = 480 min.
Recommendation: Dispose of contaminated gloves ..
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**



Tightly sealed goggles

· **Body protection:** Protective work clothing

*
SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Colour:**	Whitish
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Undetermined.
· **Boiling point or initial boiling point and boiling range**	230 °C
· **Flammability**	Not applicable.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	> 100 °C
· **Auto-ignition temperature:**	> 360 °C
· **Decomposition temperature:**	Not determined.
· **pH**	Not determined.
· **Viscosity:**	
· **Kinematic viscosity**	Not determined.
· **Dynamic at 20 °C:**	1400 mPas
· **Solubility**	
· **water:**	Insoluble.
· **Partition coefficient n-octanol/water (log value)**	Not determined.
· **Vapour pressure at 20 °C:**	2 hPa
· **Density and/or relative density**	
· **Density at 20 °C:**	1 g/cm³
· **Relative density**	Not determined.

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· **Vapour density**	Not determined.
· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Solvent content:**	
· **Organic solvents:**	0.5 %
· **VOC (EC)**	0.5 g/l
· **Change in condition**	
· **Evaporation rate**	Not determined.
· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Void
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void
· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void
· **Desensitised explosives**	Void

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions**
Reacts with reducing agents.
Reacts with oxidising agents.
Reacts with inorganic acid chlorides.

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· ***10.4 Conditions to avoid***
Moisture. Heat, open flames and other ignition sources. With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen. Detail in section 7.
· ***10.5 Incompatible materials:*** *Incompatible with oxidizing agents, acids*
· ***10.6 Hazardous decomposition products:*** *if handled accordingly no products of decomposition.*

*
SECTION 11: Toxicological information

· ***11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***
· ***Acute toxicity*** *Based on available data, the classification criteria are not met.*

· ***LD/LC50 values relevant for classification:***		
25723-16-4 Propylidynetrimethanol, propoxylated		
Oral	*LD50*	*>2,500 mg/kg (rat) (OECD 423 Acute oral toxicity)*
Dermal	*LD50*	*>2,000 mg/kg (rat) (OECD 402 Acute Dermal Toxicity)*
Glycerin-initiiertes Polyetherpolyol		
Oral	*LD50*	*>2,000 mg/kg (rat)*
Dermal	*LD50*	*>2,000 mg/kg (rabbit)*
Polyether Polyol		
Oral	*LD50*	*>4,000 mg/kg (rat)*
Dermal	*LD50*	*>10,000 mg/kg (rabbit)*
102-60-3 1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol		
Oral	*LD50*	*>2,000-<5,000 mg/kg (rat) (OECD 401 Acute Oral Toxicity)*
Dermal	*LD50*	*>2,000 mg/kg (rabbit) (OECD 402 Acute Dermal Toxicity)*
110-63-4 Tetramethylenglycol		
Oral	*LD50*	*1,500 mg/kg (rat)*
Dermal	*LD50*	*2,100 mg/kg (rat)*

· ***Skin corrosion/irritation*** *slightly irritating (OECD method 404), does not require labeling*
· ***Serious eye damage/irritation***
sligthly irritant, labelling not required
(analogy conclusion)
· ***Respiratory or skin sensitisation*** *Based on available data, the classification criteria are not met.*
· ***Germ cell mutagenicity*** *Based on available data, the classification criteria are not met.*
· ***Carcinogenicity*** *Based on available data, the classification criteria are not met.*
· ***Reproductive toxicity*** *Based on available data, the classification criteria are not met.*
· ***STOT-single exposure*** *Based on available data, the classification criteria are not met.*
· ***STOT-repeated exposure*** *Based on available data, the classification criteria are not met.*
· ***Aspiration hazard*** *Based on available data, the classification criteria are not met.*
· ***11.2 Information on other hazards***

· ***Endocrine disrupting properties***
None of the ingredients is listed.

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SECTION 12: Ecological information

· ***12.1 Toxicity***

· ***Aquatic toxicity:***	
25723-16-4 Propylidynetrimethanol, propoxylated	
LC50 (96 h)	*>100 mg/l (Danio Rerio)*
EC50 (48 h)	*>100 mg/l (Daphnia Magna)*
EC50 (72 h)	*>100 mg/l (Desmodesmus subspicatus)*
NOEC / 21d	*≥8.5 mg/l (Daphnia Magna) (OECD 211 Daphnia Magna Reproduction Test)*
102-60-3 1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol	
LC50 (96 h)	*>100 mg/l (Leuciscus)*
EC50 (48 h)	*>100 mg/l (Daphnia Magna)*
EC50 (72 h)	*>100 mg/l (Desmodesmus subspicatus)*
EC20(0,5h)	*>1,000 mg/l (activated sludge)*

· ***12.2 Persistence and degradability*** *No further relevant information available.*
· ***Other information:*** *Elimination by adsorption onto activated sludge*
· ***12.3 Bioaccumulative potential*** *No further relevant information available.*
· ***12.4 Mobility in soil*** *No further relevant information available.*
· ***12.5 Results of PBT and vPvB assessment***
· ***PBT:*** *Not applicable.*
· ***vPvB:*** *Not applicable.*
· ***12.6 Endocrine disrupting properties***
The product does not contain substances with endocrine disrupting properties.
· ***12.7 Other adverse effects***
· ***Additional ecological information:***
· ***General notes:***
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· ***13.1 Waste treatment methods***
· ***Recommendation***
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.
Must not be disposed together with household garbage. Do not empty into drains.
In an appropriate facility or burn in an approved landfill
Dispose. All applicable local and national or regional rules.

· ***European waste catalogue***	
*20 01 27**	*paint, inks, adhesives and resins containing hazardous substances*

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· ***Uncleaned packaging:***
· ***Recommendation:*** *Disposal must be made according to official regulations.*

SECTION 14: Transport information

· ***14.1 UN number or ID number***	
· ***ADR, ADN, IMDG, IATA***	*Void*
· ***14.2 UN proper shipping name***	
· ***ADR, ADN, IMDG, IATA***	*Void*
· ***14.3 Transport hazard class(es)***	
· ***ADR, ADN, IMDG, IATA***	
· ***Class***	*Void*
· ***14.4 Packing group***	
· ***ADR, IMDG, IATA***	*Void*
· ***14.5 Environmental hazards:***	*Not applicable.*
· ***14.6 Special precautions for user***	*Not applicable.*
· ***14.7 Maritime transport in bulk according to IMO instruments***	*Not applicable.*
· ***UN "Model Regulation":***	*Void*

SECTION 15: Regulatory information

· ***15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture***
· ***Labelling according to Regulation (EC) No 1272/2008***
The product is classified and labelled according to the CLP regulation.
· ***Hazard pictograms***



GHS07

· ***Signal word*** *Warning*
· ***Hazard statements***
H319 Causes serious eye irritation.
· ***Precautionary statements***
P264 *Wash thoroughly after handling.*
P280 *Wear eye protection / face protection.*
P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

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P337+P313 If eye irritation persists: Get medical advice/attention.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Waterhazard class:** Water hazard class 1 (VwVwS 17.05.99): slightly hazardous for water.
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

*
SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
· **Recommended restriction of use**
The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, can not be transferred to the new material produced in this way.
UFI code is valid in:
Germany
Austria
Netherlands

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Poland
Slovenia
Estonia

· ***Department issuing SDS:*** *environment protection department*

· ***Contact:*** *Herr Ottensmann Tel. +49 (0)2056-25863-7*
· ***Date of previous version:*** *14.09.2023*
· ***Version number of previous version:*** *24*
· ***Abbreviations and acronyms:***
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
· **** Data compared to the previous version altered.***