

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
 Product name : NEWOPLAST® 331
 Product code :
 Product group : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : Industrial use
 For professional use only
 Use of the substance/mixture : Plasticizer for PVC

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Newos GmbH
 Breslauer Weg 31
 82538 Geretsried - Germany
 T +49 8171 9973933
info@newos-gmbh.com
www.newos.eu

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
GERMANY	NEWOS GmbH	Breslauer Weg 31 82538 Geretsried	+49 8171 99 7 39 33	

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Serious eye damage/eye irritation, Category 2 H319

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways
 H318 - Causes serious eye damage.
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment
 P280 - Wear eye protection, face protection, protective clothing, protective gloves
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P331 - Do NOT induce vomiting
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed
 P310 - Immediately call a doctor, a POISON CENTER
 P501 - Dispose of contents/container to an approved waste disposal plant

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

NEWOPLAST® 331

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

2.3. Other hazards

Other hazards not contributing to the classification : Vapours may form explosive mixture with air.
Take precautionary measures against static discharge during blending and transfer operations.
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cycl. less 2% aromates	(CAS-No.) 64742-47-8 (EC-No.) 926-141-6 (REACH-no) 01-2119456620-43	>25 - <35	Asp. Tox. 1, H304
Fatty alcohol polyglycoether phosphoric acid ester	(CAS-No.) 73038-25-2 (EC-No.) Polymer (REACH-no) Polymer - Exempted	>2.5 - <5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : At high concentrations, the vapours can be irritating to the respiratory system.
In high concentrations vapours cause anaesthetic and narcotic effect.
May act principally on the central nervous system, with death resulting from respiratory paralysis.
Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact : Eye irritation.
Symptoms/effects after ingestion : Ingestion may cause nausea, vomiting and diarrhea.
May cause damaging effects to central nervous system, metabolism and gastrointestinal tract.

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

Treat symptomatically..

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, dry powder, foam, carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Explosion hazard : Vapours may form explosive mixture with air.
Take precautionary measures to prevent the formation of static electricity.
Hazardous decomposition products in case of fire : Toxic fumes may be released, carbon oxides (CO, CO₂), soot, phosphorus oxides, aldehydes, hydrochloric acid.

5.3. Advice for firefighters

Firefighting instructions : Do not allow run-off from fire-fighting to enter drains or water courses.
Protection during firefighting : Do not attempt to take action without suitable protective equipment.
Self-contained breathing apparatus.
Complete protective clothing.

NEWOPLAST® 331

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spills of this product present a serious slipping hazard.

6.1.1. For non-emergency personnel

Protective equipment : Exposure controls / Personal protection equipment.

Emergency procedures :
Ventilate spillage area.
Eliminate every possible source of ignition.
Do not breathe gas, aerosol, vapours, mist.
Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.
For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Spills of this product present a serious slipping hazard.
Take precautionary measures against static discharges.

Precautions for safe handling : Ensure good ventilation of the work station.
Do not breathe aerosols, vapours, mist, gas.
Avoid contact with skin and eyes.
Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product.
Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Take precautionary measures against static discharge.

Storage conditions : Keep away from : Sources of ignition, direct sunlight.
Store in a well-ventilated place. Keep cool.

Incompatible products : Keep away from strong oxidizers, strong acids, strong bases.

Storage temperature : 3 - 40 °C

Packaging materials : Suitable packing materials : Stainless steel, polyethylene (high density).
Unsuitable materials : Natural rubber, butyl rubber, EPDM, polystyrene.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cycl. less 2% aromates (64742-47-8)		
EU	Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cycl. less 2% aromates (Fume, total hydrocarbons, Supplier): RCP - TWA: 1200 mg/m ³ (165 ppm)	
Belgium	Local name	Koolwaterstoffen, C11-C14, n-alkanen, iso-alkanen, cyclische, < 2% aromaten (totale koolwaterstoffen)
Belgium	Limit value (mg/m ³)	200 mg/m ³ vapours
Belgium	Remark (BE)	Huid
Germany	Local name	C9-C15 Aliphaten
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	600 mg/m ³

NEWOPLAST® 331

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Safety glasses. Gloves. Insufficient ventilation: wear respiratory protection.

Hand protection:

Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	>=0,38		EN 420, EN 374

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
	Type A - High-boiling (>65 °C) organic compounds, Type P2		

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid, viscous.
Colour	: No data available
Odour	: Weak.
Odour threshold	: No data available
pH	: Not applicable, Oily
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 200 °C
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 0.85 g/cm ³ @40°C
Solubility	: Water: Insoluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: None - Chemical structure.

NEWOPLAST® 331

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Oxidising properties : None - Chemical structure.

Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Direct sunlight.

Sources of ignition.

Take action to prevent static discharges.

10.5. Incompatible materials

OXIDIZING AGENTS, strong bases, strong acids.

10.6. Hazardous decomposition products

On combustion forms: Carbon oxides (CO, CO₂), nitrogen oxides, phosphorus oxides, aldehydes, soot, hydrochloric acid.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : No data available

Acute toxicity (dermal) : No data available

Acute toxicity (inhalation) : No data available

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cycl. less 2% aromates (64742-47-8)

LD50 oral rat	> 5000 mg/kg (OECD 401 method)
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LD50 dermal rabbit	> 5000 mg/kg (OECD 402 method)
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LC50 inhalation rat (mg/l)	> 5 mg/l 8h (OECD 403 method)
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Fatty alcohol polyglycolether phosphoric acid ester (73038-25-2)

LD50 oral rat	> 2000 mg/kg male
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LD50 dermal	No data available
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LC50 inhalation rat (mg/l)	No data available
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Skin corrosion/irritation : Not classified

pH: Not applicable, Oily

Additional information : Toxicological information on the ingredients

Serious eye damage/irritation : Causes serious eye irritation.

pH: Not applicable, Oily

Additional information : Toxicological information on the ingredients

Respiratory or skin sensitisation : No data available

Additional information : None reasonably foreseeable
Contains no other components or impurities which will influence the classification of the product.

Germ cell mutagenicity : No data available

Additional information : None reasonably foreseeable
Contains no ingredient listed as a mutagen

Carcinogenicity : No data available

Additional information : None reasonably foreseeable
Contains no ingredient listed as a carcinogen

Reproductive toxicity : Not classified

Additional information : None reasonably foreseeable
Contains no other components or impurities which will influence the classification of the product.

STOT-single exposure : No data available

NEWOPLAST® 331

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Additional information	: None reasonably foreseeable Contains no other components or impurities which will influence the classification of the product.
STOT-repeated exposure	: Not classified
Additional information	: None reasonably foreseeable Contains no other components or impurities which will influence the classification of the product.
Aspiration hazard	: Not classified Due to its physical form, exposure to this chemical is not likely. Viscosity, kinematic (calculated value) (40 °C): High

NEWOPLAST 331

Viscosity, kinematic	>= 1500 mm²/s @40°C
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified Toxicological information. Summation method.
Chronic aquatic toxicity	: Not classified Toxicological information. Summation method.

NEWOPLAST 331

LC50 fish	No data available
EC50 Daphnia	No data available
EC50 72h algae	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cycl. less 2% aromates (64742-47-8)

LC50 fish	> 1000 mg/l 96h, Oncorhynchus mykiss (OECD 203 method)
EC50 Daphnia	> 1000 mg/l 48h, Daphnia magna (OECD 202 method)
EC50 72h algae	> 1000 mg/l 72h, Pseudokirchneriella subcapitata (OECD 201 method)
NOEC chronic crustacea	1.22 mg/l 21d, Daphnia magna - QSAR Petrotox
NOEC, Chronic, Oncorhynchus mykiss	0,17 mg/l (QSAR Petrotox)

Fatty alcohol polyglycolether phosphoric acid ester (73038-25-2)

LC50 fish	6.3 mg/l 96h, Danio rerio (OECD 203)
EC50 Daphnia	No data available
EC50 72h algae	No data available
EC50, microorganisms, Bacteria	> 100 mg/l (Classification by analogy)

12.2. Persistence and degradability

NEWOPLAST 331

Persistence and degradability	No data available.
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Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cycl. less 2% aromates (64742-47-8)

Persistence and degradability	Readily biodegradable.
Biodegradation	69 % 28d (OECD 301F method)

Fatty alcohol polyglycolether phosphoric acid ester (73038-25-2)

Persistence and degradability	Not readily biodegradable. 44 % biodegradation 28d, OECD 301 B.
Biodegradation	< 60 % 28d (OECD 301 D)

12.3. Bioaccumulative potential

NEWOPLAST 331

Bioaccumulative potential	No data available.
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Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cycl. less 2% aromates (64742-47-8)

Bioaccumulative potential	No data available.
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NEWOPLAST® 331

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Fatty alcohol polyglycoether phosphoric acid ester (73038-25-2)				
Bioaccumulative potential	No data available.			
12.4. Mobility in soil				
NEWOPLAST 331				
Ecology - soil	No data available.			
Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cycl. less 2% aromates (64742-47-8)				
Ecology - soil	No data available.			
Fatty alcohol polyglycoether phosphoric acid ester (73038-25-2)				
Ecology - soil	No data available.			
12.5. Results of PBT and vPvB assessment				
NEWOPLAST 331				
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII				
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII				
Component				
Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cycl. less 2% aromates (64742-47-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII			
Fatty alcohol polyglycoether phosphoric acid ester (73038-25-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII			
12.6. Other adverse effects				
No additional information available				
SECTION 13: Disposal considerations				
13.1. Waste treatment methods				
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.			
Product/Packaging disposal recommendations	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.			
SECTION 14: Transport information				
In accordance with ADR / RID / IMDG / IATA / ADN				
ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				
14.6. Special precautions for user				
- Overland transport				
Not applicable				
- Transport by sea				
Not applicable				
- Air transport				
Not applicable				
- Inland waterway transport				
Not applicable				
- Rail transport				
Not applicable				
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code				
Not applicable				

NEWOPLAST® 331

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 1, low hazard to waters (Classification according to AwSV, Annex 1)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Other information : Related CAS number : 64742-47-8
Hydrocarbons, C13-16, n-alkanes, iso-alkanes, cyclics <0,03% aromates (EG 934-954-2; REACH 01-2119826592-36) or Hydrocarbons, C12-15, n-alkanes, iso-alkanes, cyclics <2% aromates (EG 920-107-4; REACH 01-2119453414-43).

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Eye Irrit. 2	H319	Calculation method
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SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product