MATERIAL SAFETY DATA SHEET

according to 2001/58 EC

3002313

Reviewed on: 30/06/2021
Printing date: 01/07/2021

01 Identification of the hazardous chemical and of the supplier

- ***Product identifier***

- *Trade name:*
  OWOHNEDUR 8301

- Article number / Safety Data Sheet:
  831401

- ***Details of the supplier of the safety data sheet***
- *Manufacturer/Supplier:*
  *
  Teknos AG
  Industriestrasse 7
  LI-9487 Gamprin-Bendern
  T +423 375 94 00
  F +423 375 94 99

- *Further information obtainable from:*
  Product safety department. e-mail address: li-sdb@teknos.com
- *Emergency telephone number:*
  Swiss Toxicological Information Centre, CH-8032 Zürich Emergency telephone: +41 (0)44 251 51 51 (International)

02 Hazard identification

- *Classification of the substance or mixture*
  Void
- *Label elements*
- GHS label elements
- Hazard pictograms
  Void
- Signal word
  Void

- Hazard-determining components of labelling:
  Solvent naphtha (petroleum), light arom.
- Hazard statements
  Void

03 Composition and information of the ingredients of the hazardous chemical

- ***Chemical characterization: Mixtures***
- *Description:*
  Mixture of substances listed below with nonhazardous additions.

- *Dangerous components:*

CAS Number		%
64742-95-6	**Solvent naphtha (petroleum), light arom.** EC number: 265-199-0 Record number 01-2119455851-35 Asp. Haz. - H304; Acute Tox. 4 - H332, STOT SE 3 - H335; Aquatic Chronic 2 - H411	**1,00- 5,00**
5131-66-8	**3-butoxypropan-2-ol** EC number: 225-878-4 Record number 01-2119475527-28 Skin Irrit. 2 - H315, Eye Irrit. 2 - H319	**1,00- 5,00**
102-71-6	**Triethanolamine** EC number: 203-049-8 Record number 01-2119486482-31	**1,00- 5,00**

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34590-94-8	**Dipropylene glycol monomethyl ether** EC number: 252-104-2 Record number 01-2119450011-60	**1,00- 5,00**
111-76-2	**2-butoxyethanol** EC number: 203-905-0 Record number 01-2119475108-36 Acute Tox. 4 - H302, Acute Tox. 4 - H312, Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319	**0,0015- 0,50**

- *Additional information:*
  For the wording of the listed risk phrases refer to section 16.

04 First-aid measures

- ***After inhalation:***
  Supply fresh air; consult doctor in case of complaints.
- ***After skin contact:***
  Immediately wash with water and soap and rinse thoroughly.
- ***After eye contact:***
  Rinse opened eye for several minutes under running water.
- ***After swallowing:***
  Do not induce vomiting; call for medical help immediately.

05 Fire-fighting measures

- ***Suitable extinguishing agents:***
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- ***Special hazards arising from the substance or mixture***
  Formation of toxic gases is possible during heating or in case of fire.
- *Protective equipment:*
  Mouth respiratory protective device.
  Do not inhale explosion gases or combustion gases.
- ***Additional information***
  Cool endangered receptacles with water spray.
  Collect contaminated fire fighting water separately. It must not enter the sewage system.

06 Accidental release measures

- ***Personal precautions, protective equipment and emergency procedures***
  Wear protective equipment. Keep unprotected persons away.
  Ensure adequate ventilation
- ***Environmental precautions:***
  Do not allow product to reach sewage system or any water course.
  Inform respective authorities in case of seepage into water course or sewage system.
  In case of seepage into the ground inform responsible authorities.
  Dilute with plenty of water.
  In case of gas release or seepage into the ground inform responsible authorities.
  Do not allow to enter sewers/ surface or ground water.
- ***Methods and material for containment and cleaning up:***
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- ***Reference to other sections***
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

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07 Handling and storage

- ***Handling:***
- *Precautions for safe handling*
  Open and handle receptacle with care.
- *Information about fire - and explosion protection:*
  Prevent impact and friction.
- ***Storage:***
- *Requirements to be met by storerooms and receptacles:*
  Store only in the original receptacle.
- *Information about storage in one common storage facility:*
  Not required.
- *Further information about storage conditions:*
  Protect from frost.
  Store in cool, dry conditions in well sealed receptacles.
  Protect from heat and direct sunlight.
- ***Specific end use(s)***
  No further relevant information available.

08 Exposure controls and personal protection

- ***Ingredients with limit values that require monitoring at the workplace:***

102-71-6 Triethanolamine
PEL

Long-term value	**5**	**mg/m3**

34590-94-8 Dipropylene glycol monomethyl ether
PEL

Long-term value	**606**	**mg/m3**
	100	**ppm**
(kulit)		

111-76-2 2-butoxyethanol
PEL

Long-term value	**96.7**	**mg/m3**
	20	**ppm**
(kulit)		

- *Additional information:*
  The lists valid during the making were used as basis.
- ***Personal protective equipment:***
- *General protective and hygienic measures:*
  The usual precautionary measures are to be adhered to when handling chemicals.
  Do not eat or drink while working.
  Be sure to clean skin thoroughly after work and before breaks.
- *Respiratory protection: Suitable respiratory protective device recommended. Use suitable respiratory protective device in case of insufficient ventilation.*
- *Protection of hands: 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 Impervious gloves*
- 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.
- Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- *Eye protection: Safety glasses*
- *Body protection: Protective work clothing*

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09 Physical and chemical properties

Appearance	
Appearance:	
Form:	Liquid
Colour:	According to product specifica
Odour:	Characteristic Characteristic
Odour threshold:	Not determined.
Change in condition	
Melting point/freezing point:	0 °C
Initial boiling point and boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Ignition temperature:	Undetermined.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	at 20 °C 23,0000 mbar
Density:	1,0400 g/cm3
Solubility in / Miscibility with	
water:	Not determined.
Viscosity:	
.	Not determined.
.	at 23 °C 15 - 20 s DIN 4 mm
Other information	No further relevant information available.

10 Stability and reactivity

- ***Thermal decomposition / conditions to be avoided:***
  No decomposition if used according to specifications.
- ***Incompatible materials:***
  No further relevant information available.
- ***Hazardous decomposition products:***
  No dangerous decomposition products known.

11 Toxicological information

- ***Acute toxicity***
- *LD/LC50 values relevant for classification:*

64742-95-6 Solvent naphtha (petroleum), light arom.
Oral, LD50: >6800 mg/kg (rat) Dermal, LD50: >3400 mg/kg (Rabbit) Inhalative, LC50/4h: >10,2 mg/l (rat) Oral, LD50: 2000 mg/kg (rat) Dermal, LD50: 1370 mg/kg (Rabbit) Inhalative, LC50/4h: 3,25 mg/l (mouse) Oral, LD50: 8000 mg/kg (rat) Oral, LD50: 5135 mg/kg (rat) Dermal, LD50: >19000 mg/kg (Rabbit) Oral, LD50: 5045 mg/kg (rat) Dermal, LD50: 12800 mg/kg (Rabbit) Inhalative, LC50/4h: 30 mg/l (rat) Oral, LD50: 1746 mg/kg (rat) Oral, LD50: 1414 mg/kg (guinea Pig) Dermal, LD50: 2000 mg/kg (rat) Dermal, LD50: 1000 mg/kg (Rabbit) Dermal, LD50: 2000 mg/kg (guinea Pig) Oral, LD50: 2000 mg/kg (rat) Dermal, LD50: 20800 mg/kg (Rabbit)

108-01-0 2-dimethylaminoethanol

102-71-6 Triethanolamine

34590-94-8 Dipropylene glycol monomethyl ether

67-63-0 propan-2-ol

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111-76-2 **2-butoxyethanol**
57-55-6 **Propylene glycol**

- *Primary irritant effect:*
- Skin corrosion/irritation
  No irritant effect.
- Serious eye damage/irritation
  No irritating effect.
- *Respiratory or skin sensitisation*
  No sensitising effects known.
- ***Additional toxicological information:***
  The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological information

- Aquatic toxicity:
  No further relevant information available.
- ***Persistence and degradability***
  No further relevant information available.
- ***Behaviour in environmental systems:***
- *Bioaccumulative potential*
  No further relevant information available.
- ***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.

13 Disposal information

- ***Uncleaned packaging:***
- *Recommendation:*
  Disposal must be made according to official regulations.
- *Recommended cleansing agents:*
  Water, if necessary together with cleansing agents.

14 Transportation information

- ***UN-Number***

ADR	Void
IMDG	Void
IATA	Void

- ***UN proper shipping name***

ADR	Void
IMDG	Void
IATA	Void

- ***Transport hazard class(es)***

ADR	
Class	Void
IMDG	
Class	Void
IATA	
Class	Void

- ***Packing group***

ADR	Void
IMDG	Void
IATA	Void

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- ***Environmental hazards:***
  Not applicable.
- ***Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code***
  Not applicable.

- ***Transport/Additional information:***
  Not applicable.

15 Regulatory information

- ***National regulations:***

- *Information about limitation of use:*
  The above-mentioned manufacturer's information on the handling of isoc yanates is contained in the safety data sheet of the product. The Euro pean Committee of Paint, Printing Ink and Artists 'Colours Manufacture rs' Associations (CEPE) provides the following information on coatings isocyanates: Ready-to-use paints containing isocyanates may have an ir ritant effect on mucous membranes - especially on breathing organs - a nd cause hypersensitivity reactions. Inhalation of vapour or spray mis t may cause sensitisation. When handling paints containing isocyanates , all precautions required for solvent-containing paints must be follo wed. Vapour and spray mist in particular should not be inhaled. Person s who are allergic, asthmatic, or prone to respiratory ailments should not work with isocyanate-containing paints.

- *Technical instructions (air):*
- Class Share in %

I	2,42
III	0,46

- *Waterhazard class:*
  Water hazard class 1 (Self-assessment): slightly hazardous for water.
- *EHS reference list*

111-76-2	2-butoxyethanol
5131-66-8	3-butoxypropan-2-ol

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.
H304	May be fatal if swallowed and enters airways.
H312	Harmful if in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

- ***Department issuing MSDS:***
  Environment protection department.
- *Abbreviations and acronyms:*
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  ICAO: International Civil Aviation Organisation
  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)
  LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent

- ** Data compared to the previous version altered.*