

SECTION 3: Composition/information on ingredients**3.1 Fabrics**

n.a.

3.2 Mixtures

Diethylene glycol	
Registration No. (REACH)	01-2119457857-21-XXXX
Index	603-140-00-6
EINECS, ELINCS, NLP, REACH-IT List-No.	203-872-2
CAS	111-46-6
% range	1-5
Classification according to Regulation (EC) No 1272/2008 (CLP), M-factors	Acute Tox. 4, H302

Text of H-phrases and classification abbreviations (GHS/CLP) see section 16.

The substances mentioned in this section are named with their actual, applicable classification!

This means that for substances listed in Annex VI Table 3.1 of Regulation (EC) No. 1272/2008 (CLP Regulation), all possible comments mentioned there were taken into account for the classification mentioned here.

SECTION 4: First aid measures**4.1 Description of first aid measures**

First aiders should pay attention to self-protection!

Never give anything by mouth to an unconscious person!

Inhale

Remove person from danger zone.

Supply person with fresh air and consult a doctor depending on symptoms.

Skin contact

Wash thoroughly with plenty of water, remove contaminated, soaked clothing immediately, consult a doctor in case of skin irritation (reddening etc.).

Eye contact

Remove contact lenses.

Rinse thoroughly with plenty of water for several minutes, consult a doctor if necessary.

Ingestion

Rinse mouth thoroughly with water.

Consult a doctor immediately, carry data sheet.

Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

If applicable, delayed symptoms and effects can be found in section 11. or in the intake routes under section 4.1.

In certain cases, the symptoms of poisoning may only appear after a longer period of time/after several hours. This may occur:

Eye irritation In case

of prolonged contact:

Irritation of the skin.

4.3 Information on immediate medical assistance or specialised treatment

Symptomatic treatment.

SECTION 7: Handling and storage

In addition to the information contained in this section, relevant information can also be found in sections 8 and 6.1.

7.1 Protective measures for safe handling

7.1.1 General recommendations

Ensure good room ventilation.

Avoid eye contact.

Avoid prolonged or intensive skin contact.

Eating, drinking, smoking and storing food in the work area is prohibited.

Observe the information on the label and the instructions for use.

7.1.2 Information on general hygiene measures in the workplace

The general hygiene measures for handling chemicals must be applied.

Wash hands before breaks and at the end of work.

Keep away from food, drink and animal feed.

Remove contaminated clothing and protective equipment before entering areas where food is served.

7.2 Conditions for safe storage, taking into account incompatibilities

Do not store the product in passageways and stairways.

Only store the product in its original packaging and closed.

Storage class see section 15.

Store in a cool place.

Store in a dry place.

7.3 Specific end uses

There is currently no information on this.

SECTION 8: Exposure controls/personal protective equipment

8.1 Parameters to be monitored

Chemical name	Diethylene glycol		
AGW: 10 ppm (44 mg/m ³)	Spb.-Uf.: 4(II)	---	
Monitoring methods:	- Draeger - Alcohol 100/a (CH 29 701)		
BGW:---	Other data: DFG, Y, 11		

Diethylene glycol						
Field of application	Exposure path / Environmental compartment	Impact on the Health	Descriptor	Value	Unit	Remark
	Environment - Freshwater		PNEC	10	mg/m ³	
	Environment - Seawater		PNEC	1	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	10	mg/l	
	Environment - sediment, fresh water		PNEC	20,9	mg/kg dw	
	Environment - Soil		PNEC	1,53	mg/kg dw	
	Environment - Sediment, Seawater		PNEC	2,09	mg/kg	
	Environment - Waste water treatment plant		PNEC	199,5	mg/l	
Consumers	Human - dermal	Long-term, systemic effects	DNEL	21	mg/kg bw/day	

SECTION 13: Disposal instructions**13.1 Waste treatment methods****For the substance / mixture / residual quantities**

Waste code no. EC:

The mentioned waste codes are recommendations based on the expected use of this product. Due to the specific use and disposal conditions of the user, other waste codes may also be assigned under certain circumstances. (2014/955/EU)

07 06 99 wastes not otherwise specified.

Recommendation:

Disposal via waste water is not recommended.

Observe local official regulations.

For example, suitable incineration plant.

For example, deposit in a suitable landfill.

For contaminated packaging material

Observe local official regulations.

Recommendation:

Empty the container completely.

Non-contaminated packaging can be reused.

Packaging that cannot be cleaned must be disposed of in the same way as the substance.

SECTION 14: Transport information**General information****Road / rail transport (GGVSEB/ADR/RID)**

14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	Not applicable
14.3. Transport hazard classes:	Not applicable
14.4. Packaging group:	Not applicable
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	Not applicable
Classification code:	Not applicable
LQ:	Not applicable
Transport category:	Not applicable

Transport by sea-going vessels (GGVSee/IMDG Code)

14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	Not applicable
14.3. Transport hazard classes:	Not applicable
14.4. Packaging group:	Not applicable
14.5. Environmental hazards:	Not applicable
Marine pollutant:	Not applicable
EmS:	Not applicable

Carriage by aircraft (IATA)

14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	Not applicable
14.3. Transport hazard classes:	Not applicable
14.4. Packaging group:	Not applicable
14.5. Environmental hazards:	Not applicable

14.6. Special precautions for the user

Unless otherwise specified, the general measures for safe transport must be observed.

14.7. Bulk transport by sea in accordance with IMO instruments

No dangerous goods according to the above regulations.

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

Observe restrictions:

The general hygiene measures for handling chemicals must be applied.

Directive 2010/75/EU (VOC): 0 %

Water hazard class (Germany): 1

Technical Instructions on Air Quality Control - TA Luft:

Chapter 5.2.1 - Total dust (inorganic and organic substances, general, not assigned to any class): 5,00 -< 10,00 %

Chapter 5.2.5 - Organic substances (non-dusty organic substances, general, not assigned to a class): 3,00 -< 5,00 %

Observe the Youth Labour Protection Act (JArbSchG) (Germany).

Occupational exposure limits/biological limit values see section 8.

Storage class according to TRGS 510:

10-13 the assignment of the storage class is optional

National guidelines/regulations on safety and health protection when using work equipment must be applied.

15.2 Chemical safety assessment

A chemical safety assessment is not required for mixtures.

SECTION 16: Other information

Revised sections: 8, 10, 15, 16

Classification and methods used to derive the classification of the mixture according to Regulation (EC) 1272/2008 (CLP):

Not applicable

The following sentences represent the written out H-phrases, hazard class code (GHS/CLP) of the ingredients (named in section 2 and 3).

H302 Harmful if swallowed. Acute Tox. -

Acute toxicity - oral

Important literature and data sources:

Regulation (EC) No. 1907/2006 (REACH) and Regulation (EC) No. 1272/2008 (CLP) as amended. Guidelines for the preparation of safety data sheets in the valid version (ECHA).

Guidance on labelling and packaging according to Regulation (EC) No. 1272/2008 (CLP) as amended (ECHA). Safety data sheets of the ingredients.

ECHA-homepage - Information on chemicals.

GESTIS substance database (Germany).

Federal Environment Agency "Rigoletto" information page on substances hazardous to water (Germany).

EU occupational exposure limit values Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831 as amended.

National occupational exposure limit value lists of the respective countries as amended.

Regulations for the transport of dangerous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Any abbreviations and acronyms used in this document:

ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
Alcohol resistant general	Alcohol resistant General
AOX	Adsorbable organic halogen compounds
Art. no.	Item number
ASTM ASTM	International (American Society for Testing and Materials)
ATE	Acute Toxicity Estimate (= estimated value of acute toxicity)
BAFU	Federal Office for the Environment (Switzerland)
BAM	Federal Institute for Materials Research and Testing

Min., min.	Minute(s) or at least or minimum
n.a.	not applicable
n.g.	not tested
n.v.	not available
NIOSH	National Institute for Occupational Safety and Health (USA)
NLP	No-longer-polymer (= no-more-polymer)
NOEC, NOEL	No Observed Effect Concentration/Level (= concentration/dose without observed effect)
OECD	Organisation for Economic Co-operation and Development (= Organisation for Economic Co-operation and Development)
org.	organic
OSHA	Occupational Safety and Health Administration (USA)
PBT	persistent, bioaccumulative and toxic (= persistent, bioaccumulative and toxic)
PE	Polyethylene
PNEC	Predicted No Effect Concentration (= estimated no effect concentration)
Pt.	Point
PVC	Polyvinyl chloride
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No.	9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
resp.	respectively
RID	Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation on the International Carriage of Dangerous Goods by Rail)
SVHC	Substances of Very High Concern (= substances of very high concern)
Tel.	Telephone
TOC	Total organic carbon (= total organic carbon)
TRGS	Technical rules for hazardous substances
UEVK	Federal Department of the Environment, Transport, Energy and Communications (Switzerland)
UN RTDG	United Nations Recommendations on the Transport of Dangerous Goods (the United Nations recommendations for the transport of dangerous goods)
UV	Ultraviolet
VbF	Ordinance on Flammable Liquids (Austrian Ordinance) VeVA Ordinance on the Movement of Waste (Switzerland)
VOC	Volatile organic compounds (= volatile organic compounds)
vPvB	very persistent and very bioaccumulative (= very persistent and very bioaccumulative)
WBF	Federal Department of Economic Affairs, Education and Research (Switzerland)
WGK	slightly hazardous to water
WGK1	clearly hazardous to water
WGK2	Highly hazardous to water
WGK3	wet weight (= wet mass)
wwt	

The information provided here is intended to describe the product with regard to the necessary safety precautions; it is not intended to guarantee specific properties and is based on our current state of knowledge. Liability excluded.

Issued by:

KS Tools Werkzeuge und Maschinen GmbH,
Seligenstädter Grund 10-12, 63150 Heusenstamm,
Phone: +49 (6104) 49 74 0, Fax: +49 (6104) 49 74 11
E-mail: aftersales@kstoools.com