

Page 1/6 Printing date 01.12.2017 Revision: 26.03.2018 Version number 16



according to 1907/2006/EC, Article 31

Page 2/6 Printing date 01.12.2017 Revision: 26.03.2018 Version number 16

Trade name: ECO red N

		(Contd. of page 1)
H	1341 Suspected	of causing genetic defects.
H	1412 Harmful to	o aquatic life with long lasting effects.
• P	recautionary s	statements
E	280	Wear protective gloves/protective clothing/eye protection/face protection.
F	9305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	310	
		Immediately call a POISON CENTER/doctor.
E	9321	Specific treatment (see on this label).
F	405	Store locked up.
P	2501	Dispose of contents/container in accordance with local/regional/national/international regulations.
. 2	.3 Other hazar	rds
ः ह	esults of PBT	and vPvB assessment
· P	BT: Not applie	cable.

nkumental

power your pen

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

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

CAS: 122-99-6	2-Phenoxyethanol	10-25%
EINECS: 204-589-7	🐼 Acute Tox. 4, H302; Eye Irrit. 2, H319	
CAS: 107-41-5	2-methylpentane-2,4-diol	10-25%
EINECS: 203-489-0	🗇 Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 509-34-2	C. I. Solvent Red 49	2.5-108
EINECS: 208-096-8	Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335	
CAS: 12645-31-7	Phosphoric acid mono-bis-(2-ethylhexyl)-ester	2.5-108
EINECS: 235-741-0	Skin Corr. 1C, H314	
CAS: 495-54-5	C. I. Solvent Orange 3	≤2.5%
EINECS: 207-803-7	Muta. 2, H341; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315	

SECTION 4: First aid measures

4.1 Description of first aid measures

- After inhalation:
- In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- 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.
- * 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. 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). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- 6.4 Reference to other sections see Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

according to 1907/2006/EC, Article 31

Page 3/6 Printing date 01.12.2017 Revision: 26.03.2018 Version number 16

Trade name: ECO red N

See Section 13 for disposal information.

(Contd. of page 2)

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- Information about fire and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- * Information about storage in one common storage facility: Not required.
- ' Further information about storage conditions: None.
- Storage class: 10

• 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

· 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.

okumental

power your pen

- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin.
- Respiratory protection:
- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands:



Protective gloves

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

If only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.

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.

Nitrile rubber, NBR Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

(Contd. on page 4)

EU

according to 1907/2006/EC, Article 31

Page 4/6 Printing date 01.12.2017 Revision: 26.03.2018 Version number 16

Trade name: ECO red N

(Contd. of page 3)

SECTION 9: Physical and chemical pro	
9.1 Information on basic physical and chemica.	l properties
General Information	
Appearance:	
Form: Colour:	Fluid
Odour:	According to product specification Product specific
Odour: Odour threshold:	Not determined.
Important information on protection of health	and
environment, and on safety.	-
pH-value at 20 °C:	5,3
Change in condition Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	185 °C
Flash point:	93 °C
•	
Flammability (solid, gas):	Not applicable.
Ignition temperature:	260 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Not determined.
Explosion limits:	
Lower:	1 Vol %
Upper:	12,6 Vol %
Vapour pressure at 20 °C:	0,1 hPa
Density at 20 °C:	1,1 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic at 20 °C:	21.000 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	52,6 %
Solids content:	42,7 %
9.2 Other information	The physical and chemical properties given in
	Section 9.1 are rough data only, which are
	partially derived from the component's data of t
	mixture. These data are no binding product
	specifications.

okumental

power your pen

*

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 No dangerous reactions known.

• 10.4 Conditions to avoid No further relevant information available.

• 10.5 Incompatible materials: No further relevant information available.

* 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Harmful if swallowed.

LD/LC50 values relevant for classification:

122-99-6 2-Phenoxyethanol

Oral | LD50 | 2,740 mg/kg (rat)

(Contd. on page 5)



Page 5/6 Printing date 01.12.2017 Revision: 26.03.2018 Version number 16

(Contd. of page 4)

Trade name: ECO red N

- Primary irritant effect:
- Skin corrosion/irritation
 - Causes skin irritation.
- Serious eye damage/irritation
- Causes serious eye damage.
- * Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity
- Suspected of causing genetic defects.
- · 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.

SECTION 12: Ecological information

· 12.1 Toxicity

Aquatic toxicity:

107-41-5 2-methylpentane-2,4-diol

LC50 / 96h 8,510 mg/l (Fish)

12.2 Persistence and degradability No further relevant information available.

- 12.3 Bioaccumulative potential No further relevant information available.
- I2.4 Mobility in soil No further relevant information available.
- Ecotoxical effects:
- · Remark: Harmful to fish
- Additional ecological information:
- General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms

- 12.5 Results of PBT and vPvB assessment
- **PBT**: Not applicable.
- **vPvB**: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

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. European weath antalem

L	European w	aste catalogue	
Γ	08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS,	1
		VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS	
	08 01 00	wastes from MFSU and removal of paint and varnish	
F	08 01 13*	sludges from paint or varnish containing organic solvents or other hazardous substances	1

Uncleaned packaging:

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

SECTION 14: Transport information		
14.1 UN-Number		
ADR, ADN, IMDG, IATA	not applicable	
• 14.2 UN proper shipping name		
ADR, ADN, IMDG, IATA	not applicable	
• 14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA		
Class	not applicable	
14.4 Packing group		
ADR, IMDG, IATA	not applicable	
• 14.5 Environmental hazards:		
Marine pollutant:	No	
14.6 Special precautions for user	Not applicable.	
		(Contd. on page

according to 1907/2006/EC, Article 31

Page 6/6 Printing date 01.12.2017 Revision: 26.03.2018 Version number 16

(Contd. of page 5)

EU

2

Trade name: ECO red N

0	14.7 Transport	in bulk according	to Annex II o	of
	Marpol and the	IBC Code		Not applicable.

UN "Model Regulation":

not applicable

okumental

power your pen

SECTION 15: Regulatory information

- * 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- 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
- National regulations:
- Technical instructions (air):

Class	Share in 🕯
NK	50-100

- * Waterhazard class: Water hazard class 2 (Self-assessment): 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. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. · Abbreviations and acronvas: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO) ADR: Accord european sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) DIDG: 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) 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 Skin Corr. 1C: Skin corrosion/irritation - Category 1C Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Dam. 1: Serious eye Gamage/eye irritation - Category 2 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Muta. 2: Germ cell mutagenicity - Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 * Data compared to the previous version altered.