

Safety Data Sheet

in accordance the Commission Regulation (EU) No 2020/878 of 18 June 2020
amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council
concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

R-CAS-V

UFI code: 8000-X0WN-C009-TVN3

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

Identified uses: Chemical anchoring system for building industry

Uses advised against: Every way of using not mentioned above or in the point 7.3

1.3. Details of the supplier of the safety data sheet

Company name and address:

Rawlplug S.A.
ul. Kwidzyńska 6
51-416 Wrocław
Poland

Telephone number: 730 975 700

E-mail (competent person): infochem@rawlplug.com

1.4 Emergency telephone number

Nationwide emergency phone number (8:00 – 16:00): + 48 71 320 91 00

PL: 112 (emergency call)

Emergency telephone number				
Country	Official advisory body	Address	Emergency number	Remark
Austria	Vergiftungsinformationszentra le (Poisons Information Centre)	Stubenring 6 1010 Wien	+43 1 406 43 43	
Belgium	Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base – Reine Astrid	Rue Bruyn 1 B -1120 Bruxelles/Brussel	+32 70 245 245	Please dial: 070 245245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)
Bulgaria	Национален токсикологичен информационен център (National Toxicological Information Centre) Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов" (National Clinical Toxicology Centre), Emergency Medical Institute "Pirogov"	21 Totleben Boulevard 1606 SOFIA	+359 2 9154 409	
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	
Cyprus	Κέντρο Δηλητηριάσεων		1401	Operating hours 24 hours / 24 hours, 7 days a week
Czech Republic	Toxikologickéinformačnístředisko Klinikapracovníholékařství VFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Denmark	Gifflinjen Bispebjerg Hospital	Bispebjerg Bakke 23 2400 København NV	+45 82 12 12 12	
Estonia	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	16662 +372 626 93 90	
Finland	Myrkytystietokeskus	Stenbäckinkatu 9 PO BOX 100 29 Helsinki	+358 9 471 977 +358 9 4711	
France	Centre Antipoison et de Toxicovigilance de Paris Hôpital Fernand Widal	200 rue du Faubourg Saint-Denis 75475 Paris Cedex 10	+33 1 40 05 48 48	
France	Centre Antipoison et de Toxicovigilance de Marseille Hôpital Sainte Marguerite	270 boulevard de Sainte Marguerite 13274 Marseille Cedex 09	+33 4 91 75 25 25	
Germany	Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik rechts der Isar der	Ismaninger Straße 22 81675 München	+49 (0) 89 19240	

	Technischen Universität München			
Germany	Giftnotruf der Charité CBF, Haus VIII (Wirtschaftsgebäude), UG	Hindenburgdamm 30 12203 Berlin	+49 (0) 30 19240	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	
Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat	Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest	+36 80 20 11 99	
Iceland	Eitrunarmiðstöð Landspítali	Fossvogi 108 Reykjavík	+354 543 22 22	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Italy	Centro Antiveneni Dipartimento di Tossicologia Clinica, Università Cattolica del Sacro Cuore	Largo Agostino Gemelli 8 168 Roma	+39 06 305 4343	
Latvia	Valsts Toksikoloģijas centrs, Saindešanās un zāļu informācijas centrs	Hipokrāta 2 1038 Rīga	+371 67 04 24 73	
Lithuania	Apsinuodijimų informacijos biuras	Birutės g. 56 8110 Vilnius	+370 5 236 20 52 +370 687 53378	
Luxembourg	Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+352 8002 5500	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
Netherlands	Nationaal Vergiftigingen Informatie Centrum Universitair Medisch Centrum Utrecht, Het Nationaal Vergiftigingen Informatie Centrum (NVIC) informeert (dieren-) artsen, apothekers en andere professionele hulpverleners over de mogelijke gezondheidseffecten en behandelingsmogelijkheden bij vergiftigingen. Het NVIC is hiervoor dag en nacht bereikbaar, zowel telefonisch als via internet	Huispostnummer B.00.118 PO Box 85500 3508 GA Utrecht	+31 30 274 88 88	Only for the purpose of informing medical personnel in cases of acute intoxications
Norway	Giftinformasjonens Helsedirektoratet	P.O. Box 7000 St. Olavs Plass 130 Oslo	+47 22 591300	
Poland	National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)	ul. Teresy 8 P.O. BOX 199 90950 Łódź	+48 42 63 14 724	
Portugal	Centro de Informação Antivenenos Instituto Nacional de Emergência Médica	Rua Almirante Barroso, 36 1000-013 Lisboa	+351 808 250 143	
Romania	Department of Clinical Toxicology Spitalul de Urgenta Floreasca	Calea Floreasca Bucuresti	+40 21 230 8000	
Serbia	Nacionalni centar za kontrolu trovanja - VMA	Crnotravska 17 11000 Beograd	+381 11 360 84 40 (24h) +381 11 3672 187	
Slovakia	Národné toxikologické informačné centrum Univerzitná nemocnica Bratislava, pracovisko Kramáre, Klinika pracovného lekárstva a toxikológie	Limbová 5 833 05 Bratislava	+421 2 54 77 41 66	
Slovenia	Center za kliničnotoksikologijo in farmakologijo Internaklinika, UKCL	Zaloška cesta 7 1525 Ljubljana	+386 41 650 500	
Spain	Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Sevilla	Carretera de San Jerónimo Km 0,4 41080 Sevilla	+34 91 562 04 20	(Toxicological emergencies only). Information in Spanish (24/7)
Sweden	Giftinformationscentralen	Box 60 500 171 76 Stockholm	112 – begär Giftinformation +46 10 456 6700 (Från utlandet)	(from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66
Switzerland	Tox Info Suisse	Freiestrasse 16 8032 Zürich	145	

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical and chemical hazards:

This mixture does not present any physical or chemical hazards. No known or foreseeable environmental damage under standard conditions of use

Health hazards

Skin Sensitivity, Hazard Category 1B, [Skin Sens. 1B]

May cause allergic skin reaction (H317)

Eye Irritation, Hazard Category 2, [Eye Irrit. 2]

Causes serious eye irritation (H319)

Environmental hazards:**Hazardous to the aquatic environment, Hazard Category 3, [Aquatic Chronic 3]**

Harmful to aquatic life with long lasting effects (H412)

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008****Pictograms**

GHS02

Signal word: WARNING**Supplemental Hazard Statements on labels**

Contains: 2,2'-ethylenedioxydiethyl dimethacrylate; 1,1'-(p-tolylimino)dipropan-2-ol;

Hazard statement(s)

H412 Harmful to aquatic life with long lasting effects

H319 Causes serious eye irritation

H317 May cause allergic skin reaction

Precautionary statement(s)**Prevention:**

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection

P264 Wash hands thoroughly after handling

P273 Avoid release to the environment

Storage:

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Response:

P302+P350 IF ON SKIN: Gently wash with plenty of water

P362+P364 Take off contaminated clothing and wash it before reuse.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/ international regulation

2.3 Other hazards

The substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. The product does not contain substances included in the list established in accordance with Article 59 (1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

Section 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Substance identifier	Name of the substance	Weight fraction %	Classification in line with The Regulation (EC) No. 1272/2008		
			Signal Word Code(s)	Hazard Class and Category Code(s)	Hazard Statement Code(s)
CAS: 109-16-0 WE: 203-652-6 Reg. nr.: 01-2119969287-21-XXXX	2,2'-ethylenedioxydiethyl dimethacrylate	20 < x < 22	GHS07 Wng	Skin Sens. 1B	H317
CAS: 38668-48-3 WE: 254-075-1 Reg. nr.: 01-2119980937-17-0005	1,1'-(p-tolylimino)dipropan-2-ol	> 1	GHS07 Wng	Acute Tox. 2 Eye Irrit. 2, Aquatic Chronic 3	H300 (ATE: 25.00 mg/kg) H319 H412

[1] Substance with national exposure limit in the workplace

[2] Substance with UE exposure limit in the workplace

Full H phrases are specified in point 16 hereof.

Section 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact: Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get immediate medical advice/attention.

Eye contact: Get immediate medical advice/attention. Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.

Ingestion: Drink plenty of water. Do not induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

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

Skin contact: May cause an allergic skin reaction.

Eye contact: Possible redness, tearing, temporary irritation

Ingestion: May cause irritation of the mucous membranes of gastrointestinal tract, nausea, vomiting.

Inhalation: Exposure may cause coughing or wheezing. May cause damage to organs [lung organs] through prolonged or repeated exposure.

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

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Use of fire extinguishing agents suitable for local conditions and for the environment

Unsuitable extinguishing media:

Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Not applicable

5.3. Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Containers may burst if heated due to the rise of pressure. In case of fire cool endangered containers with water fog from safe distance. Do not let extinguishing water to reach drainage system.

Collect used extinguishing media.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Take unprotected persons out of the risk area. Avoid direct contact with the mixture. Do not inhale dust. Remove all sources of ignition.

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation. Provide adequate ventilation.

For emergency responders

Ensure that breakdown and its results are only trained personnel. Use personal protective equipment.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

Collect spillage. This material and its container must be disposed of in a safe way, and as per local legislation. Recover mechanically the product. On land, sweep or shovel into suitable containers. Store away from other materials. Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

Section 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact during pregnancy/while nursing. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid exceeding the given occupational exposure limits (see section 8). For personal protection see section 8. Use only non-sparking tools. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container, keep tightly closed when not in use. Protect from direct sunlight and other heat sources in

dry, well-ventilated area, away from incompatible materials, food and drink. Store at 5– 25 °C. To ensure product stability avoid temperature fluctuation during storage (overheating and undercooling).

7.3. Specific end use(s)

Chemical anchoring system for building industry.

Section 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/PNEC

1,1'-(p-tolylimino)dipropan-2-ol	
DNEL Pracownicy	
long-term, dermal, systemic:	700 µg/kg/day
long term, inhalative, systemic:	2.47 mg/m ³
DNEL Konsument	
long term, oral, local:	250 µg/kg/day
PNEC	
water (fresh water):	17 µg/L
water (sea water):	1.7 µg/L
sediment (fresh water):	163 µg/kg
sediment (sea water):	16.3 µg/kg
soil: 0.003 mg/kg	22.6 µg/kg
sewage treatment plant:	199.5 mg/L
2,2'-ethylenedioxydiethyl dimethacrylate	
DNEL/DMEL (Pracownicy)	
long-term, dermal, systemic:	13.9 mg/kg/day
long term, inhalative, systemic:	48.5 mg/m ³
DNEL/DMEL (Konsument)	
long term, oral, local:	8.33 mg/kg/day
long term, dermal, local:	8.33 mg/kg/day
PNEC	
water (fresh water):	16.4 µg/L
water (sea water):	1.64 µg/L
sediment (fresh water):	185 µg/kg
sediment (sea water):	18.5 µg/kg
soil: 0.003 mg/kg	27.4 µg/kg
sewage treatment plant:	1.7 mg/L

Recommended monitoring procedures

Monitoring procedures should be used for concentrations of hazardous components in the air. Air quality control procedures should be used in the workplace - as long as they are available and reasonable for the job - in accordance with the relevant Polish or European Standards, taking into account the conditions prevailing at the site of exposure and corresponding measurement methodologies adapted to the conditions work. Mode, type and frequency of tests and measurements should meet the requirements of the Regulation of the Minister of Health on 2 February 2011. (Dz. U. 2011 No. 33, item. 166).

8.2. Exposure controls

8.2.1 Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommend exposure limits. If user operations generate vapours, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.2.2 Individual protection measures, such as personal protective equipment

<u>Breathing equipment:</u>	Not required in case of adequate ventilation. In case of brief exposure or low pollution use respiratory filter device. At concentrations causing irritation use mask with filter. . Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<u>Eye protection:</u>	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
<u>Protection of hands:</u>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
<u>Body Protection:</u>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<u>Other skin protection:</u>	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<u>Hygiene at work:</u>	Apply general hygiene at work rules. After work, remove contaminated clothes and wash thoroughly the whole body. Wash your hands and face during breaks. Restrain from drinking and eating or smoking at work.

8.2.3 Environmental exposure controls

Avoid release to the environment, do not enter the sewage system. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Capsule: component A: liquid resin, component B: powder
Colour:	Component A: straw, component B: white
Odour:	characteristic, ester-like
Smell threshold	Information unavailable
Melting/ clotting point	Information unavailable
Initial boiling point and boiling range:	Information unavailable
Flammability:	Information unavailable
Upper/lower flammability or explosive limits:	Information unavailable
Flash point:	Component A: 103,5°C (PN-EN ISO 3679:2007) Component B: above the SADT value (SADT = 55 °C)
Auto-ignition temperature:	Information unavailable
Decomposition temperature:	Component A: no date Component B: SADT: 55°C
pH	Component A: 4-5 Component B: not specified
Dynamic viscosity (23°C; 100 [s-1]):	Component A: 2,3 ± 0,1 [Pa·s] (PN-EN ISO 3219:2000) Component B: not applicable
Solubility:	Component B: at 20° insoluble in water
Partition coefficient: n-octanol/water:	Information unavailable
Vapour pressure:	Information unavailable
Density and/or relative density	Component A: not determined Component B: 640 kg/m ³ (20°C)
Relative vapour density	Information unavailable
Particle characteristics	Paste

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Information unavailable.

9.2.2 Other safety characteristics

Information unavailable.

Section 10: Stability and reactivity

10.1 Reactivity

No reactivity under recommended storage and handling conditions.

10.2 Chemical stability

Product is stable under normal storage conditions (temp. 5 - 25°C). In the case of visible changes in the consistency of the product, the presence of significant amounts of air in components it is recommended to cessation work with the product.

10.3 Possibility of hazardous reactions

Exothermic reaction during curing. Dust, originating from component B, can form an explosive mixture in the air.

10.4 Conditions to avoid

To avoid thermal degradation of product do not allow to overheat it over the temperature of recommended storage. Protect from sunlight.

10.5 Incompatible materials

Avoid contact with: acids, hydroxides, iron, copper, reducing agents and rust.

10.6 Hazardous decomposition products

Depending on the decomposition conditions, complex mixtures of chemical substances can be released. Reference to other sections: 5.2.

Section 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicity of mixture

ATE MIX oral (mg / kg):>2000 The mixture does not contain substances classified in this hazard class.

ATE MIX dermal (mg/kg):)>2000 The mixture does not contain substances classified in this hazard class.

ATE MIX inhalation (mg / l / 4h):>20 The mixture does not contain substances classified in this hazard class.

*ATEmix value was calculated using relevant converted acute toxicity point estimate included in 3.1.2 table from Regulation 1272/2008/EC.

Skin corrosion/irritation

Based on available information, classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available information, classification criteria are not met.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

Based on available information, classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available information, classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available information, classification criteria are not met.

Aspiration hazard

Based on available information, classification criteria are not met

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin contact:	May cause an allergic skin reaction.
Eye contact:	Possible redness, tearing, temporary irritation
Ingestion:	May cause irritation of the mucous membranes of gastrointestinal tract, nausea, vomiting.
Inhalation:	No data

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The components of the mixture do not affect the functioning of the hormonal system in accordance with the evaluation criteria defined in the Regulations: (EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605.

11.2.2 Other information

Unidentified hydrocarbons, carbon oxides, benzene, benzoic acid.

Section 12: Ecological information

12.1 Toxicity

Harmful to aquatic life with long lasting effects

In order to minimize long term global pollution consideration should be given to:

- Reduction in consumption of disposable products and packaging.
- Participation in recycling activities

12.2 Persistence and degradability

It is not determined for the mixture.

12.3 Bioaccumulative potential

It is not determined for the mixture.

12.4 Mobility in soil

The mobility of the substance depends on their hydrophilic and hydrophobic properties and abiotic and biotic conditions of soil, including its structures, climatic conditions, seasons (in Poland, in a variable moderate climate) and soil organisms, mainly (bacteria, fungi, algae, invertebrates).

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Endocrine disrupting properties

The product shall not contain ingredients included on the list established in accordance with Article 59(1) as having endocrine disrupting properties or ingredients with endocrine disrupting properties according to the criteria laid down in Regulation 2017/2100/EU or Regulation 2018/605/EU in concentrations equal to or greater than 0.1%.

12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. There should be considered the possibility of other harmful effects of the individual components of the mixture on the environment. (eg. the ability of disrupting endocrine, the impact of global warming potential).

Section 13: Disposal considerations

13.1. Waste treatment methods

Product:

Minimum waste quantities. Must not be disposed together with household garbage. Do not allow product to reach sewage system, ground water and water course. Uncured product dispose of as a chemical waste in licensed facility, in accordance with local regulations of environmental protection and binding legislation on recycling. It is recommended to incinerate wastes arose during product usage in a proper incineration oven. Small quantities of both components may be reacted together, allowed to cure and dispose of as a solid waste.

Packaging:

Used product packaging (cartridge) may be delivered to plastic waste recycling plant. Contaminated package must be disposed like wastes arose during product usage

Hazardous waste codes (EWC):

16 05 08* discarded organic chemicals consisting of or containing hazardous substances

15 01 10* packaging containing residues of or contaminated by hazardous substances

Legal basis: Directive 2008/98/EC /2014/955/UE

Section 14: Transport information

	ADR/RID	IMDG	IATA
14.1. UN number or ID number	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.2 UN proper shipping name	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	No.	No.	No.
14.6. Special precautions for user	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of transport regulations.
14.7. Maritime transport in bulk according to IMO instruments	Not applicable	Not applicable	Not applicable

Section 15: Regulatory information

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:	No 3; No 75
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Other legislation:

1. **1907/2006/EC** Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
2. **1272/2008/EC** of the Regulation of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures - amending and repealing Directive 67/548/EEC and 1999/45/EC, and Regulation (EC) No 1907/2006.
3. **2018/669/UE** Commission Regulation (EU) 2018/669 of 16 April 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. Text with EEA relevance.
4. **790/2009/EC** of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
5. **2008/98/EC** Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives
6. **94/62/EC** Commission Directive 2013/2/EU of 7 February 2013; amending Annex I to Directive 94/62/EC of the European Parliament and of the Council on packaging and packaging waste
7. **2015/830/EU** Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
8. **2013/10/EU** Commission Directive of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures Text with EEA relevance
9. **European Agreement Concerning the International Carriage of Dangerous Goods by Road 2019-2021**

15.2 Chemical safety assessment

The supplier has not assessed chemical safety. It is not required for the mixture.

Section 16: Other information

Other sources of information:

IUCLID Data Bank (European Commission – European Chemicals Bureau).

ESIS – European Chemical Substances Information System (European Chemicals Bureau).

The information above is based on the currently available data concerning the product and the experience and knowledge in this field of the producer.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Koelner Rawlplug IP Sp. z o.o. shall not be held liable for any damage resulting from handling or from contact with the above product

Classification according to Regulation (EC) No 1272/2008
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Skin Sens. 1B	H317	calculation method
Eye Irrit. 2	H319	calculation method
Aquatic Chronic 3	H412	calculation method

H (hazard) phrases specified in point 2 and 3 hereof:

H317	May cause allergic skin reaction
Skin Sens. 1B	Skin Sensitivity, Hazard Category 1B
H412	Harmful to aquatic life with long lasting effects
Aquatic Chronic 3	Hazardous to the aquatic environment, Hazard Category 3
H319	Causes serious eye irritation
Eye Irrit. 2	Eye Irritation, Hazard Category 2

Explanation of returns

CEN	European Committee for Standardisation
C&L	Classification and Labelling
CLP	Classification Labelling Packaging Regulation ; Regulation (EC) No 1272/2008
CAS	Chemical Abstracts Service number
COM	European Commission
CMR	Carcinogen, Mutagen, or Reproductive Toxicant
CSA	Chemical Safety Assessment
CSR C	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
DPD	Dangerous Preparation Directive 1999/45/EEC
DSD	Dangerous Substances Directive 67/548/EEC
EC	European Commission
EC ₅₀	Half maximal effective concentration
ECB	European Chemicals Bureau Europejskie
ECHA	European Chemicals Agency
EC	Number EINECS and ELINCS Number (see also EINECS and ELINCS)
EINECS	European Inventory of Existing Commercial Substances
ELINCS	European List of notified Chemical Substances
EN	European Standard
EU	European Union
GHS	Globally Harmonized System
IC ₅₀	Half maximal inhibitory concentration
IUCLID	International Uniform Chemical Information Database
IUPAC	International Union for Pure Applied Chemistry
LC ₅₀	Lethal concentration, 50%
LD ₅₀	Median Lethal Dose
MSDS	Material Safety Data Sheet
PBT	Persistent, Bioaccumulative and Toxic substance
PEC	PEC Predicted Effect Concentration
PNEC(s)	Predicted No Effect Concentration(s)
PPE	Personal Protection Equipment
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
SIEF	Substance Information Exchange Forum
STOT	Specific Target Organ Toxicity

(STOT) RE	Repeated Exposure
(STOT) SE	Single Exposure
SVHC	Substances of Very High Concern
vPvB	Very Persistent and Very Bioaccumulative

Training

Prior to working with the product you should be familiar with safety rules for handling the chemicals, in particular take proper workplace training.

