Dymalink® 718

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: 5040M
Issue date: 22/05/2024 Revision date: 09/11/2023 Supersedes version of: 13/05/2022 Version: 5.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Dymalink® 718
Type of product : Manufactured
Product group : Inactive trade product

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

Relevant identified uses

Use of the substance/mixture : Additives
Rubbers

1.3. Details of the supplier of the safety data sheet

Supplier
Resin Solutions, LLC
665 Stockton Drive, Suite 100
Exton, PA 19341
USA
T +1-484-284-8989
product.stewardship@resinsolutions.com,
https://www.resinsolutions.com/

European Representative
Resin Solutions Italia Srl
Via Baiona 107
48123 RAVENNA
ITALY
T +39 0544 459022
product.stewardship@resinsolutions.com,
https://www.resinsolutions.com/

1.4. Emergency telephone number

Emergency number : Emergency call Carechem 24 International :
• for English speaking countries: +44 (0) 1235 239 670
• for Europe (in local languages): + 33 1 49 00 00 49
• for Africa and Middle East: + 44 (0) 1235 239 671
• for China: 400 120 6011
• for Asia Pacific (Hong-Kong, Singapore, Taiwan, Philippines, India, Vietnam, Sri Lanka, Japan, Korea, Malaysia, Indonesia, Thailand) :
+ 65 3158 1074

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Emergency number		08 45 46 47	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4	H302
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Causes serious eye damage. May cause an allergic skin reaction. Very toxic to aquatic life.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS05 GHS07 GHS09

Signal word (CLP) : Danger

Contains : Trade secret zinc compound

Hazard statements (CLP) : H302 - Harmful if swallowed.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H400 - Very toxic to aquatic life.

Precautionary statements (CLP) : P261 - Avoid breathing dust.
P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear eye protection/face protection, protective gloves, protective clothing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER, a doctor.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards which do not result in classification : Combustible Dust. Dust may form explosive mixture in air. Dust from this product may cause respiratory irritation. Thermal decomposition products are produced at elevated temperatures and these may be flammable. May cause mild skin irritation.

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	hydroquinone (123-31-9)(1), Trade secret zinc compound (13189-00-9)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	hydroquinone (123-31-9)(1), Trade secret zinc compound (13189-00-9)

(1) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Comments : Where concentration of substances listed for this product are given in ranges, the exact percentage is being withheld as a trade secret.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Trade secret zinc compound substance with national workplace exposure limit(s) (AT, BE, CZ, DE, DK, ES, GB, IE, NL, PL, SE, SI, SK)	CAS-No.: 13189-00-9 EC-No.: 236-144-8	80 - 100	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Acute 1, H400
Trade secret zinc compound (chemical identity withheld as a trade secret) substance with national workplace exposure limit(s) (FI, FR, GB, HR, IE, LT, RO, SE)	CAS-No.: 557-05-1 EC-No.: 209-151-9	10 - 30	Not classified
hydroquinone substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, IE, LT, PL, PT, RO, SE, SK, IS, NO, MK, CH)	CAS-No.: 123-31-9 EC-No.: 204-617-8 EC Index-No.: 604-005-00-4 REACH-no: 01-2119524016-51	< 0.1	Carc. 2, H351 Muta. 2, H341 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10)

Full text of H- and EUH-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 : Gently wash with plenty of soap and water. If irritation persists, consult a doctor.
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion : Rinse mouth out with water. Get immediate medical advice/attention.

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

Symptoms/effects after inhalation : Dust from this product may cause respiratory irritation.
Symptoms/effects after skin contact : May cause an allergic skin reaction. May cause mild skin irritation.
Symptoms/effects after eye contact : Causes serious eye damage.
Symptoms/effects after ingestion : Swallowing a small quantity of this material presents some health hazard.

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 or fog. Carbon dioxide. Foam. Dry chemical. Dry powder. Sand.
Unsuitable extinguishing media : Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Vapors generated from overheating/melting/decomposition may be flammable and may cause fire/explosion if source of ignition is present.
Explosion hazard : Potential dust explosion hazard. When dust becomes airborne and is exposed to an ignition source, sufficient combustible/flammable dust may exist to burn in the open or explode if confined. Local exhaust and general room ventilation are both essential to prevent accumulation of flammable vapour or dust mixtures.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2). Metallic oxides. Metallic peroxides. Toxic fumes.

5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Use water spray or fog for cooling exposed containers. Avoid raising powdered materials into airborne dust, creating an explosion hazard. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No flames, no sparks. Eliminate all sources of ignition.

For non-emergency personnel

Emergency procedures for non-emergency personnel : Ensure adequate ventilation. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Remove ignition sources. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

For emergency responders

Emergency procedures for emergency responders : No additional requirement.

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

For containment : Sweep up or vacuum up the product. Avoid creating or spreading dust.

Methods for cleaning up : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid all contact with skin, eyes, or clothing. Ensure good ventilation of the work station. Wear personal protective equipment. Avoid raising powdered material due to explosion hazard. Prevent the build-up of electrostatic charge. Use only non-sparking tools. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. The plastic packaging film used to secure bags of material on pallets can also develop static electricity -- remove packaging film in an area free from ignitable vapors/dust. Avoid breathing dust.

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

Storage conditions : Keep container tightly closed in a cool, well-ventilated place. Store in a dry, cool area. Store at room temperature. Protect from moisture. May polymerize on exposure to temperature rise. Keep away from sources of ignition.

Incompatible materials : Strong reducing agents. Strong oxidizing agents.

Storage temperature : 10 – 32 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Dymalink® 718	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 mg/m³ (inhalable dust) 3 mg/m³ (respirable dust)
Remark (ACGIH)	Particulates, not otherwise classified

hydroquinone (123-31-9)	
Ireland - Occupational Exposure Limits	
Local name	Hydroquinone [p-Dihydroxybenzene]
OEL TWA	0.5 mg/m³
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values), Sens (In the workplace, respiratory or dermal exposures to sensitising agents may occur. Sensitisers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The “sens” notation alone does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitisers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE))
Regulatory reference	Chemical Agents Code of Practice 2024
United Kingdom - Occupational Exposure Limits	
Local name	Hydroquinone
WEL TWA (OEL TWA)	0.5 mg/m³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
USA - ACGIH - Occupational Exposure Limits	
Local name	Hydroquinone
ACGIH OEL TWA	1 mg/m³
Remark (ACGIH)	TLV® Basis: Eye irr; eye dam. Notations: DSEN; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH chemical category	Sensitizer
Regulatory reference	ACGIH 2024

Trade secret zinc compound (Trade secret)	
Ireland - Occupational Exposure Limits	
OEL TWA	10 mg/m³ (total inhalable dust) 4 mg/m³ (respirable dust)
OEL STEL	12 mg/m³ (calculated-respirable dust) 20 mg/m³ (total inhalable dust)
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	10 mg/m³ (inhalable dust) 4 mg/m³ (respirable dust)
WEL STEL (OEL STEL)	20 mg/m³ (inhalable dust) 12 mg/m³ (calculated-respirable dust)

Trade secret zinc compound (Trade secret)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 mg/m³ (inhalable particulate matter (Stearates)) 3 mg/m³ (respirable particulate matter (Stearates))

Trade secret zinc compound (Trade secret)	
Ireland - Occupational Exposure Limits	
OEL TWA	10 mg/m³ inhalable dust 1 mg/m³ respirable dust
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	10 mg/m³ inhalable dust
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 mg/m³ (inhalable dust) 3 mg/m³ (respirable dust)
Remark (ACGIH)	Particulates, not otherwise classified

DNEL and PNEC

Dymalink® 718	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	1.2 mg/kg bodyweight/day (Zinc dimethacrylate)
Acute - systemic effects, inhalation	2.7 mg/m³ (Zinc dimethacrylate)
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	0.25 mg/kg bodyweight (Zinc dimethacrylate)
Acute - systemic effects, inhalation	3.4 mg/m³ (Zinc dimethacrylate)
Acute - systemic effects, oral	0.6 mg/kg bodyweight (Zinc dimethacrylate)
PNEC (Water)	
PNEC aqua (freshwater)	0.56 µg/L (Zinc dimethacrylate)
PNEC aqua (marine water)	0.056 µg/L (Zinc dimethacrylate)
PNEC aqua (intermittent, freshwater)	5.6 µg/L (Zinc dimethacrylate)
PNEC (Sediment)	
PNEC sediment (freshwater)	61.6 mg/kg dwt (Zinc dimethacrylate)
PNEC sediment (marine water)	6.16 mg/kg dwt (Zinc dimethacrylate)
PNEC (Soil)	
PNEC soil	88.8 µg/kg (Zinc dimethacrylate)
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l (Zinc dimethacrylate)

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station. Safety shower. Eye fountain.

Personal protection equipment

Personal protective equipment symbol(s):

Eye and face protection

Eye protection:
Chemical goggles or face shield

Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Protective gloves. Do not use natural rubber gloves. Product used with solvents : wear thick (> 0.5 mm) nitrile gloves. Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility, etc) is noticed

Respiratory protection

Respiratory protection:
Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	White. light yellow.
Appearance	:	Powder.
Odour	:	Slightly acidic.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not applicable
Initial boiling point and boiling range	:	Not available
Flammability	:	Non flammable.
Explosive properties	:	Dust may form explosive mixture in air.
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	377 °C
Decomposition temperature	:	> 200 °C
SADT	:	40 °C
pH	:	Not applicable
pH solution	:	5.3 – 5.5
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	Not applicable
Solubility	:	Water: Slightly soluble
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	0.00000784 Pa
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	Not available
Relative vapour density at 20°C	:	Not applicable
Particle size	:	a material with a specific surface area by volume of < 6 m2/cm3 shall not be considered a nanomaterial

9.2. Other information

Other safety characteristics

Minimum ignition energy	:	> 10 (10 – 25) mJ (estimate based on similar tested products)

SECTION 10: Stability and reactivity

10.1. Reactivity

Unstable. Inhibitor usually added.

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

May ignite spontaneously if exposed to air. Dust may form explosive mixture in air. May polymerize. To avoid thermal decomposition, do not overheat. Thermal decomposition products are produced at elevated temperatures and these may be flammable.

10.4. Conditions to avoid

Avoid the build-up of electrostatic charge. Avoid dust formation. High temperature. Direct sunlight. Sparks. Open flame.

10.5. Incompatible materials

Strong oxidizing agents. Strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Dymalink® 718	
ATE CLP (oral)	555.556 mg/kg bodyweight

Trade secret zinc compound (557-05-1)	
LC50 inhalation rat	> 200 mg/l (Exposure time: 1 h Source: NLM_HSDB)

Trade secret zinc compound (13189-00-9)	
LD50 oral rat	500 mg/kg (OECD 423 method)
LD50 dermal	Test waived as substance fulfills exemption criteria under Reach regulation
LC50 inhalation rat	> 5320 mg/m³ (OECD 436 method)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable
Additional information : May cause slight irritation to the skin
(OECD 404 method)
Serious eye damage/irritation : Causes serious eye damage.
pH: Not applicable
Additional information : (OECD 405 method)
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Additional information : (OECD 406 method)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Additional information : In vitro gene mutation study in mammalian cells
(OECD 471 method)
Ames test : negative
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Technical impossibility to obtain the data)

Dymalink® 718	
Viscosity, kinematic	Not applicable

11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Other information

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Do not allow product to spread into the environment.
Hazardous to the aquatic environment, short–term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long–term (chronic) : Not classified (Based on available data, the classification criteria are not met)

Trade secret zinc compound (13189-00-9)	
LC50 - Fish [1]	96.73 mg/l (OECD 203 method)
LC50 - Other aquatic organisms [1]	0.56 mg/l (OECD 201 method)
EC50 - Crustacea [1]	8.61 mg/l (OECD 202 method) Read-across (Analogy) 16039-53-5

12.2. Persistence and degradability

Dymalink® 718	
Persistence and degradability	Rapidly degradable

hydroquinone	
Persistence and degradability	Rapidly degradable

Trade secret zinc compound (557-05-1)	
Persistence and degradability	Rapidly degradable

Trade secret zinc compound (13189-00-9)	
Persistence and degradability	Readily biodegradable.
Biodegradation	92 % (OECD 301F method)

12.3. Bioaccumulative potential

Trade secret zinc compound (13189-00-9)	
Partition coefficient n-octanol/water (Log Pow)	1.03

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	hydroquinone (123-31-9)(1), Trade secret zinc compound (13189-00-9)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	hydroquinone (123-31-9)(1), Trade secret zinc compound (13189-00-9)

(1) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with the European Directives on waste and hazardous waste. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

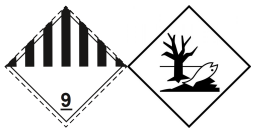
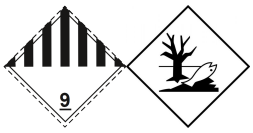
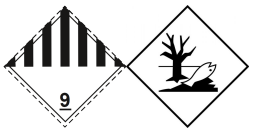
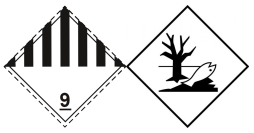
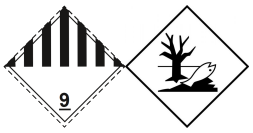
European List of Waste (LoW, EC 2000/532) : According to the European Waste Catalogue, Waste Codes are not product specific, but application specific
Waste codes should be assigned by the user based on the aplication for which the product was used

HP Code : HP6 - “Acute Toxicity:” waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
HP4 - “Irritant – skin irritation and eye damage:” waste which on application can cause skin irritation or damage to the eye.
HP13 - “Sensitising:” waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.
HP14 - “Ecotoxic:” waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

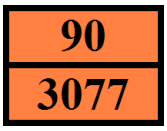
ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	Environmentally hazardous substance, solid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

ADR	IMDG	IATA	ADN	RID
Transport document description				
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc dimethacrylate), 9, III, (-)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc dimethacrylate), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (Zinc dimethacrylate), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc dimethacrylate), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc dimethacrylate), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine Pollutant: Yes EmS-No. (Fire): F-A EmS-No. (Spillage): S-F	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M7
Special provisions (ADR) : 274, 335, 375, 601
Limited quantities (ADR) : 5kg
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P002, IBC08, LP02, R001
Special packing provisions (ADR) : PP12, B3
Mixed packing provisions (ADR) : MP10
Portable tank and bulk container instructions (ADR) : T1, BK1, BK2, BK3
Portable tank and bulk container special provisions (ADR) : TP33
Tank code (ADR) : SGAV, LGBV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V13
Special provisions for carriage - Bulk (ADR) : VC1, VC2
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13
Hazard identification number (Kemler No.) : 90
Orange plates :



Tunnel restriction code (ADR) : -
EAC code : 2Z

Transport by sea (IMDG)

Special provisions (IMDG) : 274, 335, 966, 967, 969
Limited quantities (IMDG) : 5 kg

Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	LP02, P002
Special packing provisions (IMDG)	:	PP12
IBC packing instructions (IMDG)	:	IBC08
IBC special provisions (IMDG)	:	B3
Tank instructions (IMDG)	:	BK1, BK2, BK3, T1
Tank special provisions (IMDG)	:	TP33
Stowage category (IMDG)	:	A
Stowage and handling (IMDG)	:	SW23

Air transport (IATA)

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y956
PCA limited quantity max net quantity (IATA)	:	30kgG
PCA packing instructions (IATA)	:	956
PCA max net quantity (IATA)	:	400kg
CAO packing instructions (IATA)	:	956
CAO max net quantity (IATA)	:	400kg
Special provisions (IATA)	:	A97, A158, A179, A197, A215
ERG code (IATA)	:	9L

Inland waterway transport

Classification code (ADN)	:	M7
Special provisions (ADN)	:	274, 335, 375, 601
Limited quantities (ADN)	:	5 kg
Excepted quantities (ADN)	:	E1
Equipment required (ADN)	:	PP, A
Number of blue cones/lights (ADN)	:	0

Rail transport

Classification code (RID)	:	M7
Special provisions (RID)	:	274, 335, 375, 601
Limited quantities (RID)	:	5kg
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P002, IBC08, LP02, R001
Special packing provisions (RID)	:	PP12, B3
Mixed packing provisions (RID)	:	MP10
Portable tank and bulk container instructions (RID)	:	T1, BK1, BK2, BK3
Portable tank and bulk container special provisions (RID)	:	TP33
Tank codes for RID tanks (RID)	:	SGAV, LGBV
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W13
Special provisions for carriage – Bulk (RID)	:	VC1, VC2
Special provisions for carriage - Loading, unloading and handling (RID)	:	CW13, CW31
Colis express (express parcels) (RID)	:	CE11
Hazard identification number (RID)	:	90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

For this mixture a chemical safety assessment has been carried out

SECTION 16: Other information

Other information : Add an inhibitor.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
Muta. 2	Germ cell mutagenicity, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Acute Tox. 4 (Oral)	H302	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Aquatic Acute 1	H400	Calculation method

Safety Data Sheet (SDS), EU

The information contained in this Safety Data Sheet (SDS) is believed by Resin Solutions, LLC to be accurate on the date issued. However, materials may present unknown hazards and should be used with caution. Final determination of suitability and use of any material is the sole responsibility of the user. Neither Resin Solutions, LLC nor any of its subsidiaries or affiliated companies assumes any liability whatsoever for the accuracy or completeness of the information contained herein or reliance thereto. If the material is repackaged, the user is responsible and must ensure that proper health, safety and other necessary information is included with the material and/or on the container. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING THE MATERIALS OR THE INFORMATION CONTAINED IN THIS SDS. ALTERATION OF THIS DOCUMENT IS STRICTLY PROHIBITED.