

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



MasterMix Plastic Putty

Version	Revision Date:	SDS Number:	Date of last issue: 28.10.2025
1.1	07.11.2025	MAT0PL400905 IE/EN	Date of first issue: 28.10.2025

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

1.1 Product identifier

Trade name : MasterMix Plastic Putty
Product code : 40090511

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

Use of the Sub-
stance/Mixture : PC9a: Coatings and paints, thinners, paint removers
Recommended restrictions : Reserved for industrial and professional use.
on use

1.3 Details of the supplier of the safety data sheet

Company : Kansai Plascon
Frederick Cooper Drive 10
Factoria, Krugersdorp
South Africa
www.plascon.com
Telephone Company : 2711 951 4500
2783 991 5782
Telefax Company : 2711 955 2841
Responsible/issuing person : 2711 951 4500
2783 991 5782
mmundondo@kansaiplascon.co.za

1.4 Emergency telephone number

- emergency number (for cases of poisoning, national number - like 911)
The National Poisons Information Centre, Ireland: 01 809 2166
National Emergency Health Line: 999

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.

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Reproductive toxicity, Category 2
Specific target organ toxicity - repeated
exposure, Category 1

H361d: Suspected of damaging the unborn child.
H372: Causes damage to organs through pro-
longed or repeated exposure.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or
repeated exposure.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P210 Keep away from heat, hot surfaces, sparks, open
flames and other ignition sources. No smoking.
P260 Do not breathe mist or vapours.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye
protection/ face protection/ hearing protection.

Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or
alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

styrene
cobalt bis(2-ethylhexanoate)
cobalt(2+) propionate
maleic anhydride

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
styrene	100-42-5 202-851-5 601-026-00-0 01-2119457861-32	Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Repr. 2; H361d STOT SE 3; H335 (Respiratory system) STOT RE 1; H372 (hearing organs) Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 10 - < 20
cobalt bis(2-ethylhexanoate)	136-52-7 205-250-6 01-2119524678-29	Eye Irrit. 2; H319 Skin Sens. 1A; H317 Repr. 1B; H360D Aquatic Acute 1; H400 Aquatic Chronic 3; H412	>= 0.025 - < 0.1
cobalt(2+) propionate	1560-69-6 01-2119532653-41	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319 Skin Sens. 1A; H317 Repr. 1B; H360Fd Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Acute toxicity estimate Acute oral toxicity: 354.7 mg/kg	>= 0.0025 - < 0.025
maleic anhydride	108-31-6 203-571-6 607-096-00-9 01-2119472428-31	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Resp. Sens. 1; H334	>= 0.001 - < 0.1

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		STOT RE 1; H372 (Respiratory system) EUH071	
		specific concentration limit Skin Sens. 1A; H317 >= 0.001 %	
Substances with a workplace exposure limit :			
Talc	14807-96-6 238-877-9 01-2120140278-58		>= 30 - < 50

SECTION 4: First aid measures

4.1 Description of first aid measures

4.2 Most important symptoms and effects, both acute and delayed

Risks : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Suspected of damaging the unborn child.
Causes damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

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5.3 Advice for firefighters

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Talc	14807-96-6	OELV - 8 hrs (TWA) (Respirable dust)	0.8 mg/m ³	IE OEL
		OELV - 8 hrs (TWA) (inhalable dust)	10 mg/m ³	IE OEL
		TWA (Respirable dust)	0.1 mg/m ³	2004/37/EC
Further information: Carcinogens or mutagens				
styrene	100-42-5	OELV - 15 min (STEL)	40 ppm 170 mg/m ³	IE OEL
		OELV - 8 hrs (TWA)	20 ppm 85 mg/m ³	IE OEL
Limestone	1317-65-3	OELV - 8 hrs (TWA) (Respirable dust)	4 mg/m ³	IE OEL
		OELV - 8 hrs (TWA) (inhalable dust)	10 mg/m ³	IE OEL

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barium sulfate	7727-43-7	OELV - 8 hrs (TWA) (Respirable dust)	5 mg/m ³	IE OEL
cobalt bis(2-ethylhexanoate)	136-52-7	OELV - 8 hrs (TWA)	0.02 mg/m ³ (Cobalt)	IE OEL
	Further information: Chemical agents which following exposure may cause sensitisation of the respiratory tract and lead to asthma, rhinitis or extrinsic allergic alveolitis, Carc 1B - Substances presumed to have carcinogenic potential for humans, Repr 1B - Substances which are presumed human reproductive toxicants			
cobalt(2+) propionate	1560-69-6	OELV - 8 hrs (TWA)	0.02 mg/m ³ (Cobalt)	IE OEL
	Further information: Chemical agents which following exposure may cause sensitisation of the respiratory tract and lead to asthma, rhinitis or extrinsic allergic alveolitis, Carc 1B - Substances presumed to have carcinogenic potential for humans, Repr 1B - Substances which are presumed human reproductive toxicants			
maleic anhydride	108-31-6	OELV - 8 hrs (TWA) (Inhalable fraction and vapour)	0.01 ppm	IE OEL
	Further information: Chemical agents which following exposure may cause sensitisation of the respiratory tract and lead to asthma, rhinitis or extrinsic allergic alveolitis			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health effects	Value
Talc	Workers	Inhalation	Acute systemic effects	2.16 mg/m ³
	Workers	Inhalation	Acute local effects	3.6 mg/m ³
	Consumers	Inhalation	Acute systemic effects	1.08 mg/m ³
	Consumers	Inhalation	Acute local effects	1.8 mg/m ³
	Consumers	Dermal	Long-term local effects	2.27 mg/cm ²
	Workers	Dermal	Long-term local effects	4.54 mg/cm ²
	Consumers	Oral	Long-term systemic effects	160 mg/kg bw/day
	Consumers	Oral	Acute systemic effects	160 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	43.2 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	21.6 mg/kg bw/day
styrene	Workers	Inhalation	Acute systemic effects	100 mg/m ³
	Workers	Inhalation	Acute local effects	100 mg/m ³
	Workers	Inhalation	Long-term systemic effects	85 mg/m ³

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	Consumers	Inhalation	Acute systemic effects	10 mg/m ³
	Consumers	Inhalation	Acute local effects	10 mg/m ³
	Consumers	Inhalation	Long-term systemic effects	1 mg/m ³
	Workers	Inhalation	Long-term local effects	100 mg/m ³
	Workers	Inhalation	Long-term local effects	1 mg/m ³
	Workers	Dermal	Long-term systemic effects	406 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	343 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	0.0077 mg/kg bw/day
barium sulfate	Consumers	Inhalation	Long-term systemic effects	10 mg/m ³
	Workers	Inhalation	Long-term systemic effects	10 mg/m ³
	Consumers	Oral	Long-term systemic effects	13000 mg/kg bw/day
cobalt bis(2-ethylhexanoate)	Workers	Inhalation	Long-term systemic effects	0.2351 mg/m ³
	Consumers	Inhalation	Long-term local effects	0.037 mg/m ³
	Consumers	Oral	Long-term systemic effects	0.0276 mg/kg bw/day
cobalt(2+) propionate	Workers	Inhalation	Long-term local effects	0.1392 mg/m ³
	Consumers	Inhalation	Long-term local effects	0.0219 mg/m ³
	Consumers	Oral	Long-term systemic effects	0.1038 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
Talc	Marine water	141.26 mg/l
	Fresh water	597.97 mg/l
	Marine sediment	3.13 mg/kg dry weight (d.w.)
	Fresh water sediment	31.33 mg/kg dry weight (d.w.)
	Intermittent use/release	597.97 mg/l
styrene	Soil	0.146 - 0.200 mg/kg dry weight (d.w.)
	Marine water	0.014 - 0.040 mg/l
	Fresh water	0.028 - 0.040 mg/l
	Marine sediment	0.307 - 0.418

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		mg/kg dry weight (d.w.)
	Fresh water sediment	0.418 - 0.614
	Sewage treatment plant	5 mg/l
barium sulfate	Soil	207.7 mg/kg dry weight (d.w.)
	Fresh water	0.115 mg/l
	Fresh water sediment	600.4 mg/kg dry weight (d.w.)
	Sewage treatment plant	62.2 mg/l
cobalt bis(2-ethylhexanoate)	Soil	10.9 mg/kg dry weight (d.w.)
	Marine water	0.00236 mg/l
	Fresh water	0.0006 mg/l
	Marine sediment	9.5 mg/kg dry weight (d.w.)
	Fresh water sediment	9.5 mg/kg dry weight (d.w.)
	Sewage treatment plant	0.37 mg/l
cobalt(2+) propionate	Fresh water	0.000620 mg/l
	Marine water	0.00236 mg/l
	Sewage treatment plant	0.370 mg/l
	Fresh water sediment	53.8 mg/kg dry weight (d.w.)
	Marine sediment	69.8 mg/kg dry weight (d.w.)
	Soil	10.9 mg/kg dry weight (d.w.)

8.2 Exposure controls

Personal protective equipment

Respiratory protection : Wear a full face respirator conforming to EN136 with Type A/P2 filter or better.
Self-contained closed-circuit breathing apparatus compressed (EN 145)
In the case of aerosol and mist formation use an approved respirator filter (EN 141).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : viscous liquid
Colour : black
Odour : solvent-like
Odour Threshold : No data available

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Melting point/freezing point : -31.0 °C (calculation method (principal components, lowest value))

Boiling point/boiling range : 145 °C (calculation method (principal components, lowest value))

Flammability : Static-accumulating flammable liquid., Combustible Solids

Upper explosion limit / Upper flammability limit : 8 %(V)
(calculation method (principal components, highest value))

Lower explosion limit / Lower flammability limit : 1.1 %(V)
(calculation method (principal components, highest value))

Flash point : 31 °C
Method: ISO 3679, closed cup

Ignition temperature : 490 °C(calculation method (principal components, highest value))

Decomposition temperature : No decomposition if stored and applied as directed.
Hazardous decomposition products formed under fire conditions.

pH : Not applicable

substance/mixture is non-polar/aprotic

Viscosity
Viscosity, kinematic : > 20.5 mm²/s (40 °C)

Flow time : > 60 s at 23 °C
Cross section: 6 mm
Method: ISO 2431

Solubility(ies)
Water solubility : immiscible

partly soluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : log Pow: 2.95(calculation method (principal components, highest value))

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Vapour pressure	:	< 0.01 hPa(calculation method (principal components, highest value))
Relative density	:	No data available
Density	:	1.75 - 1.85 g/cm ³
Relative vapour density	:	No data available

9.2 Other information

Explosives	:	Not applicable
Oxidizing properties	:	Sustains combustion
Evaporation rate	:	No data available
VOC	:	(Directive 2004/42/EC) 250 g/l (Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)) 0.32 %

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Conditions to avoid	:	Heat, flames and sparks.
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10.5 Incompatible materials

Materials to avoid	:	Strong acids and oxidizing agents Strong reducing agents
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10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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SECTION 11: Toxicological information

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

Acute toxicity

Not classified due to lack of data.

Product:

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Components:

styrene:

Acute oral toxicity : LD50 Oral (Rat): \geq 5,000 mg/kg
Acute inhalation toxicity : LC50 (Rat): \geq 24 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 2,650 mg/kg

cobalt(2+) propionate:

Acute oral toxicity : LD50 Oral (Rat): 354.7 mg/kg
Acute inhalation toxicity : Assessment: The component/mixture is moderately toxic after short term inhalation.

maleic anhydride:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

Skin corrosion/irritation

Causes skin irritation.

Components:

styrene:

Result : irritating

maleic anhydride:

Result : Corrosive after 3 minutes to 1 hour of exposure

Serious eye damage/eye irritation

Causes serious eye irritation.

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Components:

styrene:

Result : Eye irritation

cobalt bis(2-ethylhexanoate):

Result : Eye irritation

cobalt(2+) propionate:

Result : Eye irritation

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified due to lack of data.

Components:

cobalt bis(2-ethylhexanoate):

Result : The product is a skin sensitiser, sub-category 1A.

cobalt(2+) propionate:

Result : The product is a skin sensitiser, sub-category 1A.

maleic anhydride:

Result : Probability of respiratory sensitisation in humans based on animal testing

Result : Probability or evidence of skin sensitisation in humans

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity

Suspected of damaging the unborn child.

Components:

styrene:

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility ,and/or on development, based on animal experiments.

cobalt(2+) propionate:

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Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility ,based on animal experiments.
Some evidence of adverse effects on development, based on animal experiments.

STOT - single exposure

Not classified due to lack of data.

Components:

styrene:

Assessment : May cause respiratory irritation.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Components:

styrene:

Assessment : Causes damage to organs through prolonged or repeated exposure.

maleic anhydride:

Assessment : May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Not classified due to lack of data.

Components:

styrene:

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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SECTION 12: Ecological information

12.1 Toxicity

Components:

styrene:

Toxicity to fish : LC50 (Fish): $\geq 10 - 12$ mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): ≥ 4.7 mg/l

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

cobalt bis(2-ethylhexanoate):

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

cobalt(2+) propionate:

Toxicity to fish : LC50 (Fish): 1.5 mg/l

Toxicity to algae/aquatic plants : EC50 (Scenedesmus capricornutum (fresh water algae)): 197 μ g/l

EC50 (Champia parvula (marine algae)): 24,1 μ g/l

EC10 (Scenedesmus capricornutum (fresh water algae)): 66,9 μ g/l

EC10 (Champia parvula (marine algae)): 1,23 μ g/l

Toxicity to microorganisms : EC50 : 120 mg/l

EC10 : 3.73 mg/l

Toxicity to fish (Chronic toxicity) : NOEC: 351,4 μ g/l
Species: Fish

NOEC: 31.802 mg/l
Species: Marine species

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

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maleic anhydride:

Toxicity to fish : LC50 : 75 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 10 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

12.2 Persistence and degradability

Components:

styrene:

Biodegradability : Test Type: aerobic
Readily biodegradable.

Test Type: anaerobic
According to the results of tests of biodegradability this product is not readily biodegradable.

Physico-chemical removability : The product evaporates readily.
Readily biodegradable.

Stability in water : Hydrolyses slowly.

Photodegradation : Decomposes rapidly in contact with light.

maleic anhydride:

Biodegradability : Result: Biodegradable
Biodegradation: 90 %
Exposure time: 25 d
Method: OECD Test Guideline 301B

Stability in water : Hydrolyses readily.

Photodegradation :

12.3 Bioaccumulative potential

Components:

styrene:

Bioaccumulation : Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 2.95

maleic anhydride:

Bioaccumulation : Bioaccumulation is unlikely.

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Partition coefficient: n-octanol/water : log Pow: -2.61 (20 °C)

12.4 Mobility in soil

Components:

styrene:

Mobility : Medium: Air
Content: 98.6 %

: Medium: Water
Content: 1.21 %

: Medium: Sediment
Content: 0.09 %

: Medium: Soil
Content: 0.09 %

maleic anhydride:

Mobility : Medium: Water
Content: 100 %

: Medium: Soil
Content: 0 %

Distribution among environmental compartments : Koc: 42, log Koc: 1.63

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste Code : 08 01 11, waste paint and varnish containing organic solvents or other hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

ADN : UN 3269
ADR : UN 3269
RID : UN 3269
IMDG : UN 3269
IATA : UN 3269

14.2 UN proper shipping name

ADN : POLYESTER RESIN KIT
ADR : POLYESTER RESIN KIT
RID : POLYESTER RESIN KIT
IMDG : POLYESTER RESIN KIT
IATA : Polyester resin kit

14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADN	: 3	
ADR	: 3	
RID	: 3	
IMDG	: 3	
IATA	: 3	

14.4 Packing group

ADN
Packing group : III
Classification Code : F1
Labels : 3
ADR
Packing group : III
Classification Code : F1
Labels : 3

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Tunnel restriction code : (E)

RID

Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3

IMDG

Packing group : III
Labels : 3
EmS Code : F-E, S-D

IATA (Cargo)

Packing instruction (cargo aircraft) : 370
Packing instruction (LQ) : Y370
Packing group : III
Labels : Flammable Liquids

IATA (Passenger)

Packing instruction (passenger aircraft) : 370
Packing instruction (LQ) : Y370
Packing group : III
Labels : Flammable Liquids

14.5 Environmental hazards

ADN

Environmentally hazardous : no

ADR

Environmentally hazardous : no

RID

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on : Conditions of restriction for the fol-

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the market and use of certain dangerous substances,
mixtures and articles (Annex XVII)

lowing entries should be considered:
Number on list 3

Number on list 75: If you intend to
use this product as tattoo ink, please
contact your vendor.

Regulation (EU) No 649/2012 of the European Parlia- : Not applicable
ment and the Council concerning the export and import
of dangerous chemicals
REACH - Candidate List of Substances of Very High : Not applicable
Concern for Authorisation (Article 59).
Regulation (EU) No 2024/590 on substances that de- : Not applicable
plete the ozone layer
Regulation (EU) 2019/1021 on persistent organic pollu- : Not applicable
tants (recast)
REACH - List of substances subject to authorisation : Not applicable
(Annex XIV)

Seveso III: Directive 2012/18/EU of the Euro- P5c FLAMMABLE LIQUIDS
pean Parliament and of the Council on the
control of major-accident hazards involving
dangerous substances.

Volatile organic compounds : Directive 2004/42/EC
Volatile organic compounds (VOC) content: 250 g/l

Directive 2010/75/EU of 24 November 2010 on industrial and
livestock rearing emissions (integrated pollution prevention
and control)
Volatile organic compounds (VOC) content: 0.32 %

Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations,
where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national
regulations, where applicable.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H226 : Flammable liquid and vapour.
H302 : Harmful if swallowed.
H304 : May be fatal if swallowed and enters airways.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.

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H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 : May cause respiratory irritation.
H360D : May damage the unborn child.
H360Fd : May damage fertility. Suspected of damaging the unborn child.
H361d : Suspected of damaging the unborn child.
H372 : Causes damage to organs through prolonged or repeated exposure.
H372 : Causes damage to organs through prolonged or repeated exposure if inhaled.
H400 : Very toxic to aquatic life.
H411 : Toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.
EUH071 : Corrosive to the respiratory tract.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Asp. Tox. : Aspiration hazard
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids
Repr. : Reproductive toxicity
Resp. Sens. : Respiratory sensitisation
Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation
STOT RE : Specific target organ toxicity - repeated exposure
STOT SE : Specific target organ toxicity - single exposure
2004/37/EC : Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens, mutagens or reprotoxic substances at work - Annex III
IE OEL : Ireland. List of Chemical Agents and Carcinogens with Occupational Exposure Limit Values - Code of Practice, Schedule 1 and 2
2004/37/EC / TWA : Long term exposure limit
IE OEL / OELV - 8 hrs (TWA) : Occupational exposure limit value (8-hour reference period)
IE OEL / OELV - 15 min (STEL) : Occupational exposure limit value (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration

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associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Repr. 2	H361d
STOT RE 1	H372

Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.