

PUTTY POLYESTER FOR PLASTIC PURPLE

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

1.1 - Product identifier

Trade name/designation PUTTY POLYESTER FOR PLASTIC PURPLE

Chemical name

Product-type Mixture

Product code 3686

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

Relevant identified uses - Polyester body filler

Uses advised against - Not intended for the consumer's use.

1.3 - Details of the supplier of the safety data sheet

MIX PLAST SARL

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1.4 - Emergency telephone number

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Skin Irrit. 2	Irritation, Category 2
Eye Irrit. 2	Eye irritation - Category 2
STOT RE 1	STOT-repeated exposure - Category 1
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
Repr. 2 (H361d)	Reproductive toxicity - Category 2 (H361d)

2.2 - Label elements

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

Contains: Styrene (CAS No.: 100-42-5)

Signal word : Danger

Hazard pictograms



Hazard statements

H226	Flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious eye irritation
H361d	Suspected of damaging the unborn child



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H372	Causes damage to organs through prolonged or repeated exposure
Precautionary statements	
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 dust, fume, gas, mist, vapours, spray.
P280	Wear protective gloves, protective clothing, eye protection, face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P403+P235	Store in a well-ventilated place. Keep cool.
EUH-phrases	: None

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
Styrene	CAS No. : 100-42-5 Index No. : 601-026-00-0 EC No. : 202-851-5	>= 12,5 - < 15	Acute Tox. 4 Inhalation - H332 Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 Eye Irrit. 2 - H319 Flam. Liq. 3 - H226 Repr. 2 (H361d) - H361d Skin Irrit. 2 - H315 STOT RE 1 - H372 STOT SE 3 (H335) - H335	Not applicable
Toluene	CAS No. : 108-88-3 Index No. : 601-021-00-3 EC No. : 203-625-9	>= 2,5 - < 3	Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 Repr. 2 (H361d) - H361d Skin Irrit. 2 - H315 STOT RE 2 - H373 STOT SE 3 (H336) - H336	Not applicable
Xylene	CAS No. : 1330-20-7 Index No. : 601-022-00-9 EC No. : 215-535-7	>= 0,5 - < 1	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Inhalation - H332 Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 Eye Irrit. 2 - H319 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 STOT RE 2 - H373 STOT SE 3 (H335) - H335	Not applicable
ethyl acetate	CAS No. : 141-78-6 Index No. : 607-022-00-5 EC No. : 205-500-4	>= 0,1 - < 0,3	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
(2-methoxymethylethoxy) propanol	CAS No. : 34590-94-8 Index No. : 603-001-00-X EC No. : 252-104-2 REACH No. : 01-2119450011-60	0,005 - 0,05		Not applicable

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Chemical name	No	%	Class	Spec. concentrations
methanol	CAS No. : 67-56-1 Index No. : 603-001-00-X EC No. : 200-659-6	0,0015 - 0,005	Acute Tox. 3 Dermal - H311 Acute Tox. 3 Inhalation - H331 Acute Tox. 3 Oral - H301 Flam. Liq. 2 - H225 STOT SE 1 - H370	STOT SE 1 - H370 : 10>=%<=100 STOT SE 2 - H371 : 3>=%<10
cyclohexane	CAS No. : 110-82-7 Index No. : 601-017-00-1 EC No. : 203-806-2	0,0015 - 0,005	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 (H336) - H336	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- Provide fresh air.
<u>Following skin contact</u>	- Take off immediately all contaminated clothing and wash it before reuse. - After contact with skin, wash immediately with plenty of water and soap. - When in doubt or if symptoms are observed, get medical advice.
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist. - Protect uninjured eye.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting. - Call a physician immediately.

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

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- No information available.
<u>Symptoms and effects - After eye contact</u>	- No information available.
<u>Symptoms and effects - After ingestion</u>	- No information available.

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

- In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO2) - Foam - Extinguishing powder
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Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- Burning produces heavy smoke
- After igniting the product, do not inhale smoke and leave the treated area immediately.
- Carbon monoxide
- Carbon dioxide (CO₂)
- Nitrogen oxides (NO_x)

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.
- Remove all sources of ignition.
- Safe handling: see section 7
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Wear personal protection equipment (refer to section 8).

For emergency responders - No information available.

6.2 - Environmental precautions

- In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.
- Retain contaminated washing water and dispose it.
- Ensure waste is collected and contained.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - Soak up inert absorbent and dispose as waste requiring special attention.

Methods and material for cleaning up

- Clean contaminated articles and floor according to the environmental legislation.
- Wash with plenty of water.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Personal protection equipment: see section 8
- Disposal: see section 13

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SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Vapours/aerosols must be exhausted directly at the point of origin.
- Do not use empty containers until they have been cleaned
- Avoid: Inhalation of vapours or spray/mists
- Avoid: Skin contact
- Avoid: Eye contact
- To follow:
- Incompatible materials
- See section 8.

Advices on general occupational hygiene

- Used working clothes should not be worn outside the work area.
- When using do not eat, drink, smoke, sniff.
- Wash hands before breaks and after work.
- Wear personal protection equipment (refer to section 8).

7.2 - Conditions for safe storage, including any incompatibilities

- Keep away from heat.
- Remove all sources of ignition.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- Keep away from: Food and feedingstuffs
- Keep container tightly closed in a cool, well-ventilated place.
- SECTION 10: Stability and reactivity

7.3 - Specific end use(s)

- Expl. 1.2

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- SECTION 7: Handling and storage

Individual protection measures, such as personal protective equipment

- Suitable eye protection: Eye glasses with side protection



- DIN EN 166
- Suitable protective clothing: lab coat



- Required properties: antistatic
- heat-resistant

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- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.



- EN 16523
- Suitable material: FKM (fluoro rubber)
- Suitable material: NBR (Nitrile rubber)
- Respiratory protection



- Combination filtering device (EN 14387)
- Use only respiratory protection equipment with CE-symbol including four digit test number.

Environmental exposure controls

- See section 6.2

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	<u>Solid</u>	<u>Appearance</u>	<u>Paste</u>
<u>Colour</u>	violet	<u>Odour</u>	Styrene
Odour threshold		No data available	
pH		Solvent-based system	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		31 °C Styrene	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		1,6 <= V <= 1,66 kg/l	
Density		No data available	
Solubility (Water)		not soluble	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	



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Kinematic viscosity	> 20,5 mm ² /s 40 °C
Dynamic viscosity	No data available

9.2 - Other information

VOC content	18,11 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- Heating may cause an explosion.
- Keep away from oxidizing agents, strong acids and alkalis to avoid exothermic reaction.
- In case of fire may be liberated:
 - Carbon oxides
 - vapors harmful to health

10.4 - Conditions to avoid

- Keep away from heat.
- Remove all sources of ignition.
- The high temperature greatly reduces the life of the product, causing spontaneous hardening.

10.5 - Incompatible materials

- Explosive when mixed with oxidizing substances.
- See paragraph 10.3

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.
- See paragraph 5.2

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available



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LC50 inhalation vapours (rat)	No data available
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- Based on available data, the classification criteria are not met.

Toxicity : Substances

Toluene (108-88-3)	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 5000 mg/kg
LC50 inhalation (rat)	28.1 mg/l/4h
ethyl acetate (141-78-6)	
LD50 oral (rat)	> 4934 mg/kg
LD50 dermal (rabbit)	> 20000 mg/kg
Xylene (1330-20-7)	
LD50 oral (rat)	> 3500 mg/kg
LD50 dermal (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 4200 mg/kg
LC50 inhalation (rat)	6.700 ppm (4h)

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Reproductive toxicity - Category 2 (H361d) - Suspected of damaging the unborn child

STOT-single exposure - Not classified

STOT-repeated exposure - STOT-repeated exposure - Category 1 - Causes damage to organs through prolonged or repeated exposure

Aspiration hazard - Not classified

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances



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Toluene (108-88-3)	
EC50 48 hr crustacea	3,78 mg/l
LC50 96 hr fish	5,5 mg/l
NOEC chronic fish	1,39 mg/l
NOEC chronic crustacea	0,74 mg/l
ethyl acetate (141-78-6)	
LC50 96 hr fish	230 mg/l
NOEC chronic fish	> 75,6 mg/l
NOEC chronic crustacea	2,4 mg/l
NOEC chronic algae	> 100 mg/l 72h
NOEC chronic other aquatic plants	> 100 mg/l 72h
Xylene (1330-20-7)	
LC50 96 hr fish	2,6 mg/l
ErC50 algae	1,9 mg/l
ErC50 other aquatic plants	1,9 mg/l
NOEC chronic fish	> 1,3 mg/l
NOEC chronic crustacea	1,17 mg/l

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods	<ul style="list-style-type: none"> - Dispose of waste according to applicable legislation. - Do not allow run-off from fire-fighting to enter drains or water courses.
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<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- Observe in addition any national regulations!

SECTION 14: Transport information

14.1 - UN number

<u>UN number (ADR)</u>	:	UN1866
<u>UN number (IMDG)</u>	:	UN1866
<u>UN number (IATA)</u>	:	UN1866

14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	RESIN SOLUTION, flammable 640E
<u>UN proper shipping name (IMDG)</u>	:	RESIN SOLUTION, flammable 640E
<u>UN proper shipping name (IATA)</u>	:	RESIN SOLUTION, flammable 640E

14.3 - Transport hazard class(es)

<u>ADR Transport hazard class(es)</u>	:	3
<u>ADR Classification code:</u>	:	F1
<u>Pictograms</u>		



<u>Transport hazard class(es) (IMDG)</u>	:	3
<u>Pictograms</u>		



<u>Transport hazard class(es) (IATA)</u>	:	3
<u>Pictograms</u>		



14.4 - Packing group

<u>Packing group</u>	:	III
<u>Packing group (IMDG)</u>	:	III
<u>Packing group (IATA)</u>	:	III

14.5 - Environmental hazards



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Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user

ADR

ADR Classification code: : F1
ADR Special provisions : 640E
ADR Limited quantity (LQ) : 5 L
ADR Excepted quantities : E1
ADR Packing instructions : P001 IBC03 LP01 R001
ADR Special packing provisions : PP1
ADR Mixed packing provisions : MP19
Instructions for portable tanks and bulk containers : T2
Special provisions for portable tanks and bulk containers : TP1
ADR tank code : LGBF
ADR tanks special provisions :
Vehicle for tank carriage : FL
ADR Transport category : 3
ADR Tunnel restriction code : D/E
ADR Special provisions loading, unloading and handling :
Special provisions - Packages : V12
Special provisions - Bulk :
Special provisions - Operation : S2
ADR Hazard identification number (Kemler No.) : 30

IMDG

Special provisions :
Limited quantity (LQ) :
Excepted quantities :
Packing instructions :
Special packing provisions :
IBC instruction(s) :
IBC provisions :
Instructions for portable tanks and bulk containers :
Special provisions for portable tanks and bulk containers :
EmS codes : F-E , S-D
Stowage and handling : Category A
Segregation :
Properties and observations :



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IATA

PCA - Excepted quantities	:	
PCA - Limited Quantity - Packing Instructions	:	
PCA - Limited Quantity - Maximum Net Quantity per Package	:	
PCA - Packing Instructions	:	355
PCA - Maximum Net Quantity per Package	:	
CAO - Packing Instructions	:	366
CAO - Maximum Net Quantity per Package	:	
Special Provisions	:	A3
ERG Code	:	3L

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	Toluene (Index No.: 601-021-00-3 - EC No.: 203-625-9 - CAS No.: 108-88-3) cyclohexane (Index No.: 601-017-00-1 - EC No.: 203-806-2 - CAS No.: 110-82-7)
VOC content	18,11 %

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
3	14/10/2019	SECTION 1: Identification of the substance / mixture and of the company / undertaking SECTION 2: Hazard identification SECTION 3: Composition / information on ingredients SECTION 4: First aid SECTION 5: Firefighting measures SECTION 6: Accidental release measures SECTION 7: Handling and storage SECTION 8: Exposure controls / personal protection SECTION 9: Physical and chemical properties SECTION 10: Stability and responsiveness SECTION 13: Disposal considerations SECTION 16: Other information



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Version	Issue date	Description of the amendments
2	11/10/2018	SECTION 1: Identification of the substance / mixture and of the company / undertaking SECTION 2: Hazard identification SECTION 3: Composition / information on ingredients SECTION 8: Exposure controls / personal protection SECTION 9: Physical and chemical properties SECTION 11: Toxicological information SECTION 12: Ecological Information SECTION 13: Disposal considerations SECTION 15: Regulatory information SECTION 16: Other information
1	05/02/2015	

Texts of the regulatory sentences

Acute Tox. 3 Dermal	Acute toxicity (dermal) - Category 3
Acute Tox. 3 Inhalation	Acute toxicity (inhalative) - Category 3
Acute Tox. 3 Oral	Acute toxicity (oral) - Category 3
Acute Tox. 4 Dermal	Acute toxicity (dermal) - Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Asp. Tox. 1	Aspiration hazard - Category 1
Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H301	Toxic if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361d	Suspected of damaging the unborn child
H370	Causes damage to organs or state all organs affected, if known - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs or state all organs affected, if known through prolonged or repeated exposure - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard



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H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
Repr. 2 (H361d)	Reproductive toxicity - Category 2 (H361d)
Skin Irrit. 2	Irritation, Category 2
STOT RE 1	STOT-repeated exposure - Category 1
STOT RE 2	STOT-repeated exposure - Category 2
STOT SE 1	STOT-single exposure - Category 1
STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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