

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : SYNTECH POLIUREA TOP COATING_COMP.B
Revision date : 24.01.2017
Print date : 01.06.2017

Version (Revision) : 2.0.0 (1.0.0)

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

1.1 Product identifier

SYNTECH POLIUREA TOP COATING COMP.B

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

Preparation for building and construction: Two - component, pigmented elastic enamel, based on Aliphatic polyurethane resins. Component B

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

AZICHEM Srl

Street : Via G. Gentile, 16/A

Postal code/city : 46044 Goito (MN)

Telephone : +390376604185/604365

Telefax : +39 0376 604398

Information contact : info@azichem.com

1.4 Emergency telephone number

Centro Antiveleni di Milano +39 02 66101029 (CAV Ospedale Niguarda Ca' Granda -Milano) (24h)

Centro Antiveleni di Pavia +39 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)

Centro Antiveleni di Bergamo +39 800 883300 (CAV Ospedali Riuniti - Bergamo)

Centro Antiveleni di Firenze +39 055 7947819 (CAV Ospedale Careggi - Firenze)

Centro Antiveleni di Roma +39 06 3054343 (CAV Policlinico Gemelli - Roma)

Centro Antiveleni di Roma +39 06 49978000 (CAV Policlinico Umberto I - Roma)

Centro Antiveleni di Napoli +39 081 7472870 (CAV Ospedale Cardarelli - Napoli)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute Tox. 4 ; H332 - Acute toxicity (inhalative) : Category 4 ; Harmful if inhaled.

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.

Resp. Sens. 1 ; H334 - Sensitisation to the respiratory tract : Category 1 ; May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

STOT SE 3 ; H335 - STOT-single exposure : Category 3 ; May cause respiratory irritation.

2.2 Label elements

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

Hazard pictograms



Flame (GHS02) · Health hazard (GHS08) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

HEXAMETHYLENE DISOCYANATE, OLIGOMERS ; CAS No. : 28182-81-2

HEXAMETHYLENE-DI-ISOCYANATE ; CAS No. : 822-06-0

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Hazard statements

H226 Flammable liquid and vapour.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P311 Call a POISON CENTER/doctor/....
P403+P235 Store in a well-ventilated place. Keep cool.

Special rules for supplemental label elements for certain mixtures

EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

HEXAMETHYLENE DISOCYANATE, OLIGOMERS ; EC No. : 500-060-2; CAS No. : 28182-81-2

Weight fraction : $\geq 50 - < 100$ %
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H332 Skin Sens. 1 ; H317 STOT SE 3 ; H335

N-BUTYL ACETATE ; REACH registration No. : 01-2119485493-29 ; EC No. : 204-658-1; CAS No. : 123-86-4

Weight fraction : $\geq 5 - < 9$ %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT SE 3 ; H336

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC ; EC No. : 265-199-0; CAS No. : 64742-95-6

Weight fraction : $\geq 5 - < 9$ %
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

HEXAMETHYLENE-DI-ISOCYANATE ; EC No. : 212-485-8; CAS No. : 822-06-0

Weight fraction : $\geq 0 - < 0,5$ %
Classification 1272/2008 [CLP] : Acute Tox. 3 ; H331 Resp. Sens. 1 ; H334 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 STOT SE 3 ; H335

Additional information

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

SECTION 4: First aid measures

4.1 Description of first aid measures

When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Remove victim out of the danger area. Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

In case of skin contact

Wash immediately with: Water Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician. In case of skin reactions, consult a physician.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

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After ingestion

Never give anything by mouth to an unconscious person or a person with cramps.

4.2 Most important symptoms and effects, both acute and delayed

Acute Effects : The product is harmful by inhalation or ingestion , may cause irritation of the mucous membranes and upper respiratory tract as well as the eyes and skin.

Symptoms of exposure may include: stinging and irritated eyes , mouth , nose and throat , coughing , difficulty breathing , dizziness , headache, nausea and vomiting. In more serious cases , inhalation of this product may cause inflammation and edema of the larynx and bronchi , chemical pneumonitis and edema lung . Even small amounts ingested can cause serious health problems (stomach pain, nausea , vomiting , diarrhea).

The product is corrosive and causes severe burns and blistering on the skin , which can occur even after exposure. the Burns are very stinging and pain. Contact with eyes causes severe injury and may cause corneal opacity , iris lesions, irreversible eye coloration. Possible vapors are caustic for the respiratory system and may cause pulmonary edema, whose symptoms become manifest, sometimes after only a few hours. Symptoms of exposure may include burning sensation , coughing, wheezing, laryngitis , shortness of breath , headache, nausea and vomiting.

Ingestion may cause burns to mouth, throat and esophagus , vomiting, diarrhea, edema , larynx swelling and consequent suffocation. , Perforation of the gastrointestinal tract .

Upon contact with the skin causes sensitization (dermatitis) . Dermatitis derives in response to inflammation of the skin , which begins in the skin areas that are in repeated contact with the sensitizing agent . The skin lesions may include erythema, edema, papules, vesicles , pustules, scales , ulcerations and exudative phenomena , which vary depending on the stage of the disease and the areas affected . In the acute phase prevail erythema , edema and exudation . In the chronic stages prevail scales , dryness, ulcerations and skin thickening .

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing powder alcohol resistant foam Carbon dioxide (CO2) Water mist

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide.

5.3 Advice for firefighters

Remove persons to safety.

Special protective equipment for firefighters

Do not inhale explosion and combustion gases. Use appropriate respiratory protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Clear spills immediately. Wear a self-contained breathing apparatus and chemical protective clothing.

For non-emergency personnel

Remove persons to safety.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

For cleaning up

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The contaminated area should be cleaned up immediately with: Water Retain contaminated washing water and dispose it.

6.4 Reference to other sections

Reference to other sections Safe handling: see section 7 Personal protection equipment: see section 8

SECTION 7: Handling and storage



7.1 Precautions for safe handling

Protective measures

Specific requirements or handling rules

Do not breathe dust. Do not breathe gas/fumes/vapour/spray. See section 8.

Advices on general occupational hygiene

Normal precautions taken when handling chemicals should be observed.

7.2 Conditions for safe storage, including any incompatibilities

Only use containers specifically approved for the substance/product.

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Protect against UV-radiation/sunlight Humidity.

Hints on joint storage

Storage class : 3

Storage class (TRGS 510) : 3

Keep away from

Store at least 3 metres apart from: Chemicals/products that react together readily

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

N-BUTYL ACETATE ; CAS No. : 123-86-4

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 62 ppm / 300 mg/m³

Peak limitation : 2(I)

Remark : Y

Version : 06.11.2015

HEXAMETHYLENE-DI-ISOCYANATE ; CAS No. : 822-06-0

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 0,005 ppm / 0,035 mg/m³

Peak limitation : 1/=2=(I)

Remark : Sa

Version : 06.11.2015

DNEL/DMEL and PNEC values

DNEL/DMEL

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Limit value type :	DNEL Consumer (local) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	102,34 mg/m ³
Limit value type :	DNEL Consumer (local) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	859,7 mg/m ³
Limit value type :	DNEL Consumer (systemic) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	859,7 mg/m ³
Limit value type :	DNEL Consumer (systemic) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	102,34 mg/m ³
Limit value type :	DNEL worker (local) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	960 mg/m ³
Limit value type :	DNEL worker (local) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	480 mg/m ³
Limit value type :	DNEL worker (systemic) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	960 mg/m ³
Limit value type :	DNEL worker (systemic) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	480 mg/m ³
PNEC	
Limit value type :	PNEC aquatic, freshwater (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,18 mg/l
Limit value type :	PNEC aquatic, intermittent release (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,36 mg/l
Limit value type :	PNEC aquatic, marine water (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,01 mg/l
Limit value type :	PNEC sediment, freshwater (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,98 mg/kg
Limit value type :	PNEC sediment, marine water (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,09 mg/kg
Limit value type :	PNEC Soil (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,09 mg/kg
Limit value type :	PNEC sewage treatment plant (STP) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	35,6 mg/l

8.2 Exposure controls

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Personal protection equipment

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When using do not eat, drink, smoke, sniff.

Eye/face protection

Suitable eye protection

Safety glasses with side shields (EN 166).

Skin protection

Hand protection

Wear rubber gloves approved under standard EN374.

Respiratory protection

In case of exceeding the threshold value (if available) of one or more of the substances present in the product, for daily exposure in the workplace or to a fraction established by the service of prevention and protection service, wear a mask with filter type B or universal, the class (1, 2 or 3) must be chosen according to the limit concentration of use (ref. standard EN 141).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Safety relevant basis data

Aspect			liquid
Colour			colourless
Odour			solvent
Melting point/melting range :	(1013 hPa)		No data available
Vapour density	((air = 1))		Data not available
Initial boiling point and boiling range :	(1013 hPa)		non determinato
Decomposition temperature :			No data available
Self flammability			No data available
Flash point :	=		53 °C
Flammability (solid, gas)			Data not available
Lower explosion limit :			No data available
Upper explosion limit :			No data available
Explosive properties			Product is not explosive
Vapour pressure	(20 °C)		No data available
Density :	(20 °C)	=	1,131 g/cm ³
Density :	(23 °C)		No data available
Water solubility :	(20 °C)		insoluble
pH :			No data available
Log Pow	(20 °C)		not applicable
Viscosity :	(20 °C)		No data available
Viscosity :	(23 °C)	=	500 mPa.s
Odour threshold			Data not available
Evaporation rate			Data not available
Maximum VOC content (EC) :			Not available
Oxidizing properties			Data not available

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

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Flammable Vapours can form explosive mixtures with air. Ignition hazard

10.2 Chemical stability

See section 7. No additional measures necessary.

10.3 Possibility of hazardous reactions

Vapours can form explosive mixtures with air.

10.4 Conditions to avoid

Keep away from fire, sparks and ignition sources Avoid moisture.

10.5 Incompatible materials

Water. Nitrates. Oxidising agent. Acids. Alkalis.

10.6 Hazardous decomposition products

Carbon monoxide.

SECTION 11: Toxicological information

Acute Effects : The product is harmful by inhalation or ingestion , may cause irritation of the mucous membranes and upper respiratory tract as well as the eyes and skin.

Symptoms of exposure may include: stinging and irritated eyes , mouth , nose and throat , coughing , difficulty breathing , dizziness , headache, nausea and vomiting. In more serious cases , inhalation of this product may cause inflammation and edema of the larynx and bronchi , chemical pneumonitis and edema lung . Even small amounts ingested can cause serious health problems (stomach pain, nausea , vomiting , diarrhea).

The product is corrosive and causes severe burns and blistering on the skin , which can occur even after exposure. the Burns are very stinging and pain. Contact with eyes causes severe injury and may cause corneal opacity , iris lesions, irreversible eye coloration. Possible vapors are caustic for the respiratory system and may cause pulmonary edema, whose symptoms become manifest, sometimes after only a few hours. Symptoms of exposure may include burning sensation , coughing, wheezing, laryngitis , shortness of breath , headache, nausea and vomiting.

Ingestion may cause burns to mouth, throat and esophagus , vomiting, diarrhea, edema , larynx swelling and consequent suffocation. , Perforation of the gastrointestinal tract .

Upon contact with the skin causes sensitization (dermatitis) . Dermatitis derives in response to inflammation of the skin , which begins in the skin areas that are in repeated contact with the sensitizing agent . The skin lesions may include erythema, edema, papules, vesicles , pustules, scales , ulcerations and exudative phenomena , which vary depending on the stage of the disease and the areas affected . In the acute phase prevail erythema , edema and exudation . In the chronic stages prevail scales , dryness, ulcerations and skin thickening .

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter :	LD50 (HEXAMETHYLENE DISOCYANATE, OLIGOMERS ; CAS No. : 28182-81-2)
Exposure route :	Oral
Species :	Rat (female)
Effective dose :	> 2500 mg/kg
Parameter :	LD50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Oral
Species :	Rat
Effective dose :	= 10760 mg/kg
Parameter :	LD50 (HEXAMETHYLENE-DI-ISOCYANATE ; CAS No. : 822-06-0)
Exposure route :	Oral
Species :	Rat
Effective dose :	710 mg/kg

Acute dermal toxicity

Parameter :	LD50 (HEXAMETHYLENE DISOCYANATE, OLIGOMERS ; CAS No. : 28182-81-2)
Exposure route :	Dermal
Species :	Rat
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)

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Exposure route : Dermal
Species : Rabbit
Effective dose : > 14000 mg/kg
Parameter : LD50 (HEXAMETHYLENE-DI-ISOCYANATE ; CAS No. : 822-06-0)
Exposure route : Dermal
Species : Rabbit
Effective dose : 570 mg/kg

Acute inhalation toxicity

Parameter : LC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route : Inhalation
Species : Rat
Effective dose : > 21,1 mg/l
Exposure time : 4 h
Parameter : LC50 (HEXAMETHYLENE-DI-ISOCYANATE ; CAS No. : 822-06-0)
Exposure route : Inhalation
Species : Mouse
Effective dose : 1570 mg/m³

Irritant and corrosive effects

Irritation to respiratory tract

Irritating to respiratory system.

Sensitisation

In case of skin contact

May cause sensitization by skin contact.

Repeated dose toxicity (subacute, subchronic, chronic)

Chronic inhalation toxicity

There were no chronic effects or effects at low concentrations.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The ingredients in this mixture do not meet the criteria for classification as CMR according to CLP.

SECTION 12: Ecological information

Do not allow uncontrolled discharge of product into the environment.

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Species : Pimephales promelas (fathead minnow)
Effective dose : 18 mg/l
Exposure time : 96 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (HEXAMETHYLENE DISOCYANATE, OLIGOMERS ; CAS No. : 28182-81-2)
Species : Daphnia magna (Big water flea)
Effective dose : > 127 mg/l
Exposure time : 48 h

Parameter : EC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)

Species : Daphnia magna (Big water flea)
Effective dose : 44 mg/l
Exposure time : 48 h

Acute (short-term) algae toxicity

Parameter : EC50 (HEXAMETHYLENE DISOCYANATE, OLIGOMERS ; CAS No. : 28182-81-2)
Species : Desmodesmus subspicatus

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Effective dose : > 1000 mg/l
Exposure time : 72 h
Parameter : EC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Species : Desmodemus subspicatus
Effective dose : 648 mg/l
Exposure time : 72 h

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Dispose according to legislation.

SECTION 14: Transport information

14.1 UN number

UN 1993

14.2 UN proper shipping name

Land transport (ADR/RID)

RESIN SOLUTION · FLAMMABLE LIQUID, N.O.S. (N-BUTYL ACETATE · SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC)

Sea transport (IMDG)

RESIN SOLUTION · FLAMMABLE LIQUID, N.O.S. (N-BUTYL ACETATE · SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC)

Air transport (ICAO-TI / IATA-DGR)

RESIN SOLUTION · FLAMMABLE LIQUID, N.O.S. (N-BUTYL ACETATE · SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 3
Classification code : F1
Hazard identification number (Kemler No.) : 30
Tunnel restriction code : D/E
Special provisions : 640E · LQ 7 · LQ 5 I · E 1 · Transport in containers with max. 450 litres contents are not subject to the regulations of ADR/RID.

Hazard label(s) : 3

Sea transport (IMDG)

Class(es) : 3

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EmS-No. : F-E / S-E
Special provisions : LQ 5 I · E 1 · IMDG 2.3.2.5 (<= 30 l)
Hazard label(s) : 3
Air transport (ICAO-TI / IATA-DGR)
Class(es) : 3
Special provisions : E 1
Hazard label(s) : 3

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : No
Sea transport (IMDG) : No
Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) 1907/2006/CE (REACH). Regulation (EC) No 1272/2008 (CLP). Regulation (EU) 2015/830 requirements for the compilation of safety data sheets. Commission Regulation (EC) No 790/2009/CE (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 286/2011 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 618/2012 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 487/2013 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 758/2013 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 944/2013 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 605/2014 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 1297/2015 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008).

Other regulations (EU)

Regulation (CE) 1907/2006: Substance of very high concern included in the SVHC Candidate List

None

National regulations

Italy: Legislative Decree 81/2008 (Consolidated Law on protection of health and safety at work), as amended and Directive 2009/161/UE - chemical risk assessment in accordance with Title IX

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Indication of changes

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16.2 Abbreviations and acronyms

LEGENDA:

ADR:	Accord européen relative au transport international des marchandises dangereuses par route (accordo europeo relativo al trasporto internazionale delle merci pericolose su strada)
ASTM:	ASTM International, originariamente nota come American Society for Testing and Materials (ASTM)
EINECS:	European Inventory of Existing Commercial Chemical Substances (Registro Europeo delle Sostanze chimiche in Commercio)
EC(0/50/100):	Effective Concentration 0/50/100 (Concentrazione Effettiva Massima per 0/50/100% degli Individui)
LC(0/50/100):	Lethal Concentration 0/50/100 (Concentrazione Letale per 0/50/100% degli Individui)
IC50:	Inhibitor Concentration 50 (Concentrazione Inibente per il 50% degli Individui)
NOEL:	No Observed Effect Level (Dose massima senza effetti)
NOEC:	No Observed Effect Concentration (Concentrazione massima senza effetti)
LOEC:	Lowest Observed Effect Concentration (Concentrazione massima alla quale è possibile evidenziare un effetto)
DNEL:	Derived No Effect Level (Dose derivata di non effetto)
DMEL:	Derived Minimum Effect Level (Dose derivata di minimo effetto)
CLP:	Classification, Labelling and Packaging (Classificazione, Etichettatura e Imballaggio)
CSR:	Rapporto sulla Sicurezza Chimica (Chemical Safety Report)
LD(0/50/100):	Lethal Dose 0/50/100 (Dose Letale per 0/50/100% degli Individui)
IATA:	International Air Transport Association (Associazione Internazionale del Trasporto Aereo)
ICAO:	International Civil Aviation Organization (Organizzazione Internazionale dell'Aviazione Civile)
Codice IMDG:	International Maritime Dangerous Goods code (Codice sul Regolamento del Trasporto Marittimo)
PBT:	Persistent, bioaccumulative and toxic (sostanze persistenti bioaccumulabili e tossiche)
RID:	Règlement concernent le transport International ferroviaire des marchandises Dangereuses (Regolamento concernente il trasporto Internazionale ferroviario delle merci Pericolose)
STEL:	Short term exposure limit (limite di esposizione a breve termine)
TLV:	Threshold limit value (soglia di valore limite)
TWA:	Time Weighted Average (media ponderata nel tempo)
UE:	Unione Europea
vPvB:	Very persistent very bioaccumulative (sostanze molto persistenti e molto bioaccumulabili)
N.D.:	Non disponibile.
N.A.:	Non applicabile
VvWwS.:	Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VvWwS)
PNEC:	Predicted No Effect Concentration
PNOS:	Particulates not Otherwise Specified
BOD:	Biochemical Oxygen Demand
COD:	Chemical Oxygen Demand
BCF:	BioConcentration Factor
TRGS :	Technische Regeln für Gefahrstoffe -Technical Rules for Hazardous Substances, defined by The Federal Institute for Occupational Safety and Health, Germany
LCLo:	Lethal Concentration Low (La minima concentrazione letale)
ThOD:	Theoretical Oxygen Demand

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

calculated.

16.5 Relevant H- and EUH-phrases (Number and full text)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : SYNTECH POLIUREA TOP COATING_COMP.B
Revision date : 24.01.2017
Print date : 01.06.2017

Version (Revision) : 2.0.0 (1.0.0)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
