

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

**1.1. Product identifier**

Product form : Mixture  
 Product name : PU-TOPCOAT NO SCRATCH 02

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

**1.2.1. Relevant identified uses**

Use of the substance/mixture : Topcoat for quartz carpet

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

Siddec  
 Industrieweg 10  
 2490 Balen - BELGIE  
 T +32 14 81 50 01  
[safety@sidec.be](mailto:safety@sidec.be) - [www.sidec.eu](http://www.sidec.eu)

**1.4. Emergency telephone number**

Country	Organisation/Company	Address	Emergency number
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

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

Acute Tox. 3 (Inhalation:dust,mist) H331  
 Resp. Sens. 1 H334  
 Skin Sens. 1 H317  
 STOT SE 3 H335  
 Aquatic Chronic 3 H412

Full text of H statements : see section 16

**2.2. Label elements**

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

Hexamethylene diisocyanate, oligomers; Hexamethylene-1,6-diisocyanate; Dibutyltin dilaurate; p-toluenesulphonyl isocyanate

Hazard statements (CLP) :

H317 - May cause an allergic skin reaction.  
 H331 - Toxic if inhaled.  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 - May cause respiratory irritation.  
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P261 - Avoid breathing vapours, spray.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P284 - Wear respiratory protection.

# PU-TOPCOAT NO SCRATCH 02

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Toxic if inhaled. Causes skin irritation. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.

Other hazards which do not result in classification : None, to our knowledge.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hexamethylene diisocyanate, oligomers	(CAS-No.) 28182-81-2 (EC-No.) 931-274-8 (REACH-no) 01-2119485796-17	80 – 90	Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 3, H335
p-toluenesulphonyl isocyanate	(CAS-No.) 4083-64-1 (EC-No.) 223-810-8 (EC Index-No.) 615-012-00-7 (REACH-no) 01-2119980050-47	3 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Chronic 3, H412
Alfa-3-(2h-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyfenyl-propionyl-omega-3-(3-(2h-benzotriazol-2-yl)-5- tert-butyl-4-hydroxyfenyl)propionyloxypoly(oxyethyleen)	(EC-No.) 400-830-7 (EC Index-No.) 607-176-00-3 (REACH-no) 01- 0000015075-76	1 – 5	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Bis(isopropyl)naphthalene	(CAS-No.) 38640-62-9 (EC-No.) 254-052-6	1 – 5	Aquatic Chronic 4, H413
Hexamethylene-1,6-diisocyanate	(CAS-No.) 822-06-0 (EC-No.) 212-485-8 (EC Index-No.) 615-011-00-1 (REACH-no) 01-2119457571-37	≤ 0,5	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335
Dibutyltin dilaurate	(CAS-No.) 77-58-7 (EC-No.) 201-039-8 (EC Index-No.) 050-030-00-3 (REACH-no) 01-2119496068-27	0,1 – 0,5	Eye Irrit. 2, H319 Muta. 2, H341 Repr. 1B, H360 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
p-toluenesulphonyl isocyanate	(CAS-No.) 4083-64-1 (EC-No.) 223-810-8 (EC Index-No.) 615-012-00-7 (REACH-no) 01-2119980050-47	( 5 ≤C < 100) Skin Irrit. 2, H315 ( 5 ≤C < 100) STOT SE 3, H335 ( 5 ≤C < 100) Eye Irrit. 2, H319
Hexamethylene-1,6-diisocyanate	(CAS-No.) 822-06-0 (EC-No.) 212-485-8 (EC Index-No.) 615-011-00-1 (REACH-no) 01-2119457571-37	( 0,5 ≤C < 100) Skin Sens. 1, H317 ( 0,5 ≤C < 100) Resp. Sens. 1, H334

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Remove contaminated clothes.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Gently wash with plenty of soap and water.

First-aid measures after eye contact : Consult an eye specialist. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.

First-aid measures after ingestion : Rinse mouth. Drink plenty of water. Immediately call a POISON CENTER or doctor.

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

No additional information available

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

In all cases of doubt, or when symptoms persist, seek medical attention.

# PU-TOPCOAT NO SCRATCH 02

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : extinguishing powder. Foam.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic vapours are released.

#### 5.3. Advice for firefighters

Protection during firefighting : Positive pressure self-contained breathing apparatus (SCBA).

Other information : Provision to contain effluent from fire extinguishing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Prevent soil and water pollution.

#### 6.3. Methods and material for containment and cleaning up

For containment : Large amounts: Pump up the product into a suitably labelled spare container.

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

#### 6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13. Concerning personal protective equipment to use, see section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid breathing vapours. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Do not expose pregnant or breastfeeding women. Do not expose particularly sensitive persons at risk.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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 : Store in dry, cool, well-ventilated area. Keep container tightly closed. Protect from moisture.

Incompatible products : Water. Amines. alcohols.

Storage area : Store in a dry, cool area.

Special rules on packaging : Keep only in original container.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Hexamethylene-1,6-diisocyanate (822-06-0)		
Belgium	OEL TWA	0,034 mg/m <sup>3</sup> (Hexamethylene diisocyanate; Belgium; Time weighted average 8h)
Belgium	OEL TWA [ppm]	0,005 ppm (Hexamethylene diisocyanate; Belgium; Time weighted average 8h)
France	VME (OEL TWA)	0,075 mg/m <sup>3</sup> (Diisocyanate d'hexaméthylène; Frankrijk; Tijdsgewogen gemiddelde 8u; VL: Valeur non réglementaire indicative)
France	VME (OEL TWA) [ppm]	0,01 ppm (Diisocyanate d'hexaméthylène; Frankrijk; Tijdsgewogen gemiddelde 8u; VL: Valeur non réglementaire indicative)
France	VLE (OEL C/STEL)	0,15 mg/m <sup>3</sup> Diisocyanate d'hexaméthylène; Frankrijk; Kortetijds waarde; VL: Valeur non réglementaire indicative; (5min)

# PU-TOPCOAT NO SCRATCH 02

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>Hexamethylene-1,6-diisocyanate (822-06-0)</b>		
France	VLE (OEL C/STEL) [ppm]	0,02 ppm Diisocyanate d'hexaméthylène; Frankrijk; Kortetijds waarde; VL: Valeur non réglementaire indicative; (5min)
United Kingdom	WEL TWA (OEL TWA) [1]	0,02 mg/m <sup>3</sup> Isocyanates, all (as -NCO) Except methyl isocyanate; Verenigd Koninkrijk; Tijdsgewogen gemiddelde 8u; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (OEL STEL)	0,07 mg/m <sup>3</sup> Isocyanates, all (as -NCO) Except methyl isocyanate; Verenigd Koninkrijk; Kortetijds waarde; Workplace exposure limit (EH40/2005)
USA - ACGIH	ACGIH OEL TWA [ppm]	0,005 ppm (Hexamethylene diisocyanate; USA; Time Weighted Average 8h; TLV - Adopted Value)
<b>Dibutyltin dilaurate (77-58-7)</b>		
Belgium	OEL TWA	0,1 mg/m <sup>3</sup>
Belgium	OEL STEL	0,2 mg/m <sup>3</sup>
France	VME (OEL TWA)	0,1 mg/m <sup>3</sup>
France	VLE (OEL C/STEL)	0,2 mg/m <sup>3</sup>
United Kingdom	WEL TWA (OEL TWA) [1]	0,1 mg/m <sup>3</sup>
United Kingdom	WEL STEL (OEL STEL)	0,2 mg/m <sup>3</sup>
USA - ACGIH	ACGIH OEL TWA	0,1 mg/m <sup>3</sup>
USA - ACGIH	ACGIH OEL STEL	0,2 mg/m <sup>3</sup>
<b>p-toluenesulphonyl isocyanate (4083-64-1)</b>		
United Kingdom	WEL TWA (OEL TWA) [1]	0,02 mg/m <sup>3</sup>
United Kingdom	WEL STEL (OEL STEL)	0,07 mg/m <sup>3</sup>

### 8.2. Exposure controls

Appropriate engineering controls	: Avoid contact with skin and eyes. Do not breathe dust. Provide adequate ventilation to minimize dust concentrations.
Hand protection	: Wear suitable gloves tested to EN374. (>=30 min). Breakthrough time : refer to the recommendations of the supplier. Recommended materials. Butyl rubber gloves. (>= 7 mm)
Eye protection	: Protective goggles. EN 166
Skin and body protection	: Wear suitable protective clothing. like: Chemical resistant apron. Boots
Respiratory protection	: Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Cloudy.
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: ≈ 174 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,05 – 1,15 kg/l
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 2000 – 4000 mPa·s

# PU-TOPCOAT NO SCRATCH 02

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Explosive properties : No data available  
Oxidising properties : No data available  
Explosive limits : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

water, amines and alcohol's.

### 10.4. Conditions to avoid

Water, humidity.

### 10.5. Incompatible materials

water, amines and alcohol's.

### 10.6. Hazardous decomposition products

None under normal use.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Toxic if inhaled.

PU-TOPCOAT NO SCRATCH 02	
LD50 oral rat	> 2000 mg/kg
LC50 Inhalation - Rat	0,1 – 0,5 mg/l/4h
ATE CLP (dust,mist)	0,5 mg/l/4h
Hexamethylene-1,6-diisocyanate (822-06-0)	
LD50 oral rat	745 mg/kg
LD50 dermal rat	> 7000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rat, Male / Female, Experimental Value, Dermal, 14 day (s))
LC50 Inhalation - Rat	0,31 mg/l/4h
LC50 Inhalation - Rat [ppm]	45 ppm/4h
Dibutyltin dilaurate (77-58-7)	
LD50 oral rat	2071 mg/kg bodyweight (Equivalent to or corresponding to OECD 401, Rat, Male / Female, Experimental value, Oral, 14 day (s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rat, Male / Female, Experimental Value, Dermal, 14 day (s))
p-toluenesulphonyl isocyanate (4083-64-1)	
LD50 oral rat	2330 mg/kg bodyweight (Equivalent to or corresponding to OECD 401, Rat, Male / Female, Read-across, Oral)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rat, Male / Female, Read-across, Skin)
Bis(isopropyl)naphthalene (38640-62-9)	
LD50 oral rat	4130 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Experimental Value)
LD50 dermal rat	> 4500 mg/kg (Rat; Experimental value; OECD 402: Acute dermal toxicity)
LC50 Inhalation - Rat	> 5,64 mg/l/4h (Rat; Experimental value)

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause respiratory irritation.  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

# PU-TOPCOAT NO SCRATCH 02

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 12: Ecological information

#### 12.1. Toxicity

PU-TOPCOAT NO SCRATCH 02	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l
Hexamethylene-1,6-diisocyanate (822-06-0)	
LC50 - Fish [1]	22 mg/l (LC0; Other; 96 h; Brachydanio rerio; Static system)
EC50 - Crustacea [1]	< 0,33 mg/l (EC0; Other; 24h; Daphnia magna; Static system)
LC50 - Fish [2]	31 mg/l (LC100; Other; 96 h; Brachydanio rerio; Static system)
Dibutyltin dilaurate (77-58-7)	
LC50 - Fish [1]	3,1 mg/l
EC50 - Crustacea [1]	< 463 µg/l (OECD 202: Acute Immobilization Study at Daphnia sp., 48 h, Daphnia magna, Static System, Fresh Water, Experimental Value, Movement)
ErC50 algae	> 1 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Tin)
p-toluenesulphonyl isocyanate (4083-64-1)	
LC50 - Fish [1]	> 45 mg/l (OECD 203: Fish: acute toxicity study, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Acute Immobilization Study at Daphnia sp., 48 h, Daphnia magna, Static System, Fresh Water, Experimental Value)
ErC50 algae	30 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value)

#### 12.2. Persistence and degradability

Hexamethylene-1,6-diisocyanate (822-06-0)	
Persistence and degradability	Not readily biodegradable.
Dibutyltin dilaurate (77-58-7)	
Persistence and degradability	Not readily biodegradable.
p-toluenesulphonyl isocyanate (4083-64-1)	
Persistence and degradability	Readily biodegradable in water.
Bis(isopropyl)naphthalene (38640-62-9)	
Persistence and degradability	Photolysis in the air. Water : Not biodegradable. Separation by sedimentation. easily degradable in the soil.
ThOD	2,41 g O <sub>2</sub> /g substance

#### 12.3. Bioaccumulative potential

Hexamethylene-1,6-diisocyanate (822-06-0)	
BCF - Fish [1]	59,6 (BCFWIN, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	1,08 (QSAR)
Bioaccumulative potential	Low bioaccumulation potential.
Dibutyltin dilaurate (77-58-7)	
BCF - Fish [1]	31 – 813 (Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4,44 (Practical experience / observation, OECD 107: Partition coefficient (n-octanol / water): Shake bottle method, 20.8 ° C)
Bioaccumulative potential	Bioaccumulative potential.
p-toluenesulphonyl isocyanate (4083-64-1)	
Partition coefficient n-octanol/water (Log Pow)	0,6 (Experimental value, OECD 117: Partition coefficient (n-octanol / water), HPLC method)
Bioaccumulative potential	Slightly bioaccumulative.
Bis(isopropyl)naphthalene (38640-62-9)	
BCF - Fish [1]	370 – 3930 (BCF; 8 weeks; Cyprinus carpio)
Partition coefficient n-octanol/water (Log Pow)	6,08 (calculated value; US EPA)
Bioaccumulative potential	strong. Bioaccumulative potential.

#### 12.4. Mobility in soil

Hexamethylene-1,6-diisocyanate (822-06-0)	
Partition coefficient n-octanol/water (Log Koc)	2,78 – 3,68 (log Koc:calculated value)
Ecology - soil	little. Mobile.

# PU-TOPCOAT NO SCRATCH 02

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>Dibutyltin dilaurate (77-58-7)</b>	
Ecology - soil	No supplementary information available.

<b>p-toluenesulphonyl isocyanate (4083-64-1)</b>	
Ecology - soil	No supplementary information available.

### 12.5. Results of PBT and vPvB assessment

Component	
p-toluenesulphonyl isocyanate (4083-64-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Hexamethylene-1,6-diisocyanate (822-06-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Dibutyltin dilaurate (77-58-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Ensure all national/local regulations are observed.
Waste treatment methods	: This material and its container must be disposed of in a safe way.

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR)	: 2206
UN-No. (IMDG)	: 2206
UN-No. (IATA)	: 2206
UN-No. (ADN)	: 2206
UN-No. (RID)	: 2206

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: ISOCYANATES, TOXIC, N.O.S.
Proper Shipping Name (IMDG)	: ISOCYANATES, TOXIC, N.O.S.
Proper Shipping Name (IATA)	: Isocyanate solution, toxic, n.o.s.
Proper Shipping Name (ADN)	: ISOCYANATES, TOXIC, N.O.S.
Proper Shipping Name (RID)	: ISOCYANATES, TOXIC, N.O.S.
Transport document description (ADR)	: UN 2206 ISOCYANATES, TOXIC, N.O.S. (hexamethylene diisocyanate, oligomers), 6.1, III, (E)
Transport document description (IMDG)	: UN 2206 ISOCYANATES, TOXIC, N.O.S. (hexamethylene diisocyanate, oligomers), 6.1, III

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR)	: 6.1
Danger labels (ADR)	: 6.1



#### IMDG

Transport hazard class(es) (IMDG)	: 6.1
Danger labels (IMDG)	: 6.1



#### IATA

# PU-TOPCOAT NO SCRATCH 02

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Transport hazard class(es) (IATA) : 6.1

Danger labels (IATA) : 6.1



### ADN

Transport hazard class(es) (ADN) : 6.1

Danger labels (ADN) : 6.1



### RID

Transport hazard class(es) (RID) : 6.1

Danger labels (RID) : 6.1



#### 14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

#### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

#### 14.6. Special precautions for user

##### - Overland transport

Classification code (ADR) : T1

Special provisions (ADR) : 274, 551

Limited quantities (ADR) : 5I

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T7

Portable tank and bulk container special provisions (ADR) : TP1, TP28

Tank code (ADR) : L4BH

Tank special provisions (ADR) : TU15, TE19

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28



# PU-TOPCOAT NO SCRATCH 02

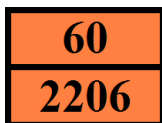
## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Special provisions for carriage - Operation (ADR) : S9

Hazard identification number (Kemler No.) : 60

Orange plates :



Tunnel restriction code (ADR) : E

EAC code : 2X

### - Transport by sea

Special provisions (IMDG) : 223, 274

Packing instructions (IMDG) : P001, LP01

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T7

Tank special provisions (IMDG) : TP1, TP13, TP28

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-A

Stowage category (IMDG) : E

Properties and observations (IMDG) : Liquids with a pungent odour. Immiscible with water but react with it to form carbon dioxide. Toxic if swallowed, by skin contact or by inhalation. If under deck, with mechanical ventilation, six air changes per hour, except when carried in closed containers, when two air changes per hour are required. Irritating to skin, eyes and mucous membranes.

### - Air transport

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y642

PCA limited quantity max net quantity (IATA) : 2L

PCA packing instructions (IATA) : 655

PCA max net quantity (IATA) : 60L

CAO packing instructions (IATA) : 663

CAO max net quantity (IATA) : 220L

Special provisions (IATA) : A3

ERG code (IATA) : 6L

### - Inland waterway transport

Classification code (ADN) : T1

Special provisions (ADN) : 274, 551, 802

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Equipment required (ADN) : PP, EP, TOX, A

Ventilation (ADN) : VE02

Number of blue cones/lights (ADN) : 0

Carriage prohibited (ADN) : No

Not subject to ADN : No

### - Rail transport

Classification code (RID) : T1

Special provisions (RID) : 274, 551

Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19

Portable tank and bulk container instructions (RID) : T7

Portable tank and bulk container special provisions (RID) : TP1, TP28

Tank codes for RID tanks (RID) : L4BH

Special provisions for RID tanks (RID) : TU15

Transport category (RID) : 2

Special provisions for carriage – Packages (RID) : W12

# PU-TOPCOAT NO SCRATCH 02

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW28, CW31

Colis express (express parcels) (RID) : CE8

Hazard identification number (RID) : 60

Carriage prohibited (RID) : No

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

##### Germany

Regulatory reference : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : Dibutyltin dilaurate is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : Dibutyltin dilaurate is listed

##### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

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H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
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.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*