

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

1.1. Product identifier

Product form : Mixture
Product name : RAPID-UV FINISH-GLANS-B
REACH registration No : 01-2119488934-20

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Sidec
Industrieweg 10
2490 Balen - BELGIE
T +32 14 81 50 01
safety@sidec.be - 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. 4 (Inhalation) H332

Skin Sens. 1 H317

STOT SE 3 H335

Full text of H statements : see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazardous ingredients :

Hexamethylene-1,6-diisocyanate; Hexamethyleen-1,6-diisocyanat Homopolymeer

Hazard statements (CLP) :

H317 - May cause an allergic skin reaction.

H332 - Harmful if inhaled.

H335 - May cause respiratory irritation.

Precautionary statements (CLP) :

P261 - Avoid breathing gas, vapours, mist, dust, fume.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective clothing/eye protection/face protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

No additional information available

RAPID-UV FINISH-GLANS-B

Safety Data Sheet

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

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]
Hexamethyleen-1,6-diisocyanat Homopolymeer	(CAS-No.) 28182-81-2 (EC-No.) 500-060-2 (REACH-no) 01-2119488934-20	≈ 100	Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 3, H335
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 – 0,25	Acute Tox. 4 (Oral), H302 Acute Tox. 1 (Inhalation), H330 Skin Corr. 1, H314 Resp. Sens. 1, H334 Skin Sens. 1, H317

Specific concentration limits:

Name	Product identifier	Specific concentration limits
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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: extinguishing powder. Foam.
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5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic vapours are released.
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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.
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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.
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RAPID-UV FINISH-GLANS-B

Safety Data Sheet

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

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 : Provide earthing.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible products : Paper and cardboard.
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	Limit value (mg/m ³)	0,034 mg/m ³
Belgium	Limit value (ppm)	0,005 ppm
France	VME (mg/m ³)	0,075 mg/m ³
France	VME (ppm)	0,01 ppm
France	VLE (mg/m ³)	0,15 mg/m ³
France	VLE (ppm)	0,02 ppm
United Kingdom	WEL TWA (mg/m ³)	0,02 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	0,07 mg/m ³
USA - ACGIH	ACGIH TWA (ppm)	0,005 ppm (Hexamethylene diisocyanate; USA; Time Weighted Average 8h; TLV - Adopted Value)

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

Colour : colourless to slightly yellow.

Odour : No data available

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : > 200 °C

Auto-ignition temperature : > 200

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : 0,0001 mbar

Relative vapour density at 20 °C : No data available

Relative density : 1,1

Density : 1,1 kg/l

RAPID-UV FINISH-GLANS-B

Safety Data Sheet

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

Solubility	: Product is not hygroscopic.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0,7 Pa·s
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 : Harmful if inhaled.

RAPID-UV FINISH-GLANS-B	
LD50 oral rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	0,1 – 0,5 mg/l/4h
ATE CLP (vapours)	0,1 mg/l/4h
ATE CLP (dust,mist)	0,1 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))
LD50 dermal rabbit	599 mg/kg
LC50 inhalation rat (mg/l)	0,31 mg/l/4h
LC50 inhalation rat (ppm)	45 ppm/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: 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

RAPID-UV FINISH-GLANS-B	
Viscosity, kinematic	636,364 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

RAPID-UV FINISH-GLANS-B	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	> 100 mg/l

RAPID-UV FINISH-GLANS-B

Safety Data Sheet

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

RAPID-UV FINISH-GLANS-B	
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 Daphnia 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)

12.2. Persistence and degradability

Hexamethylene-1,6-diisocyanate (822-06-0)	
Persistence and degradability	Not readily biodegradable.

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.

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.

12.5. Results of PBT and vPvB assessment

Component	
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

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

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: Not applicable
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IMDG

Transport hazard class(es) (IMDG)	: Not applicable
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IATA

Transport hazard class(es) (IATA)	: Not applicable
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ADN

Transport hazard class(es) (ADN)	: Not applicable
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RID

Transport hazard class(es) (RID)	: Not applicable
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RAPID-UV FINISH-GLANS-B

Safety Data Sheet

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

14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

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

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN)	: No
Not subject to ADN	: No

- Rail transport

Carriage prohibited (RID)	: No
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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	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed

Denmark

Recommendations Danish Regulation	: Young people below the age of 18 years are not allowed to use the product
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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

RAPID-UV FINISH-GLANS-B

Safety Data Sheet

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

Full text of H- and EUH-statements:

Acute Tox. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

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.