

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 10/28/2019 Revision date: 2/22/2024 Supersedes version of: 1/4/2023 Version: 2.2

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

1.1. Product identifier

Product form : Mixture

Product name : PA-SEALCOAT RAPID UV A

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

Manufacturer

Sidec N.V. Industrieweg 10 BE– 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	Comment
Belgium	Centre Anti-Poisons/Antigifcentrum , c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Brussels	+32 70 245 245	All urgent questions about poisoning: 070 245 245 (free, 24/7), or if unreachable tel 02 264 96 30 (normal rate).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1 H314
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment – Chronic Hazard, H412

Category 3

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

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

GHS07

Signal word (CLP) : Danger

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Contains : Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester;

isoforondiamine-isobutyraldimine

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P260 - Do not breathe vapours, mist, spray.

P264 - Wash hands, forearms and face thoroughly after handling.

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

P273 - Avoid release to the environment.

P280 - Wear protective clothing, protective gloves, eye protection.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester (136210-30-5)	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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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]
Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester	CAS-No.: 136210-30-5 EC-No.: 429-270-1 EC Index-No.: 607-521-00-8 REACH-no: 01-0000017556-	70 – 80	Skin Sens. 1, H317 Aquatic Chronic 3, H412
isoforondiamine-isobutyraldimine	CAS-No.: 54914-37-3 EC-No.: 256-393-4 REACH-no: 01-2119978283- 28	25 – 50	Skin Corr. 1, H314 Eye Irrit. 2, H319 Skin Sens. 1, H317

Full text of H- and EUH-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 : Remove person to fresh air and keep comfortable for breathing. Respiratory problems:

consult a doctor/medical service.

First-aid measures after skin contact : Wash off immediately with soap and plenty of water. If skin irritation occurs: Get medical

advice/attention.

First-aid measures after eye contact : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do.

Continue rinsing. Consult an ophtalmologist if irritation persists.

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First-aid measures after ingestion : Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell. Ingestion of

large quantities: immediately to hospital.

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

Symptoms/effects after inhalation : No observed effects.

Symptoms/effects after skin contact : No observed effects.

Symptoms/effects after eye contact : No observed effects.

Symptoms/effects after ingestion : No observed effects.

Chronic symptoms : skin irritation and erythema.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Foam. extinguishing powder.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. Nitrogen oxides. carbon oxides (CO and CO2).

5.3. Advice for firefighters

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing. Wear fire/flame

resistant/retardant clothing.

Other information : Prevent fire fighting water from entering the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate air ventilation. Keep public away.

6.1.1. For non-emergency personnel

Protective equipment : protective clothing.

Emergency procedures : No naked flames. Mark the danger area. Take off immediately all contaminated clothing and

wash it before reuse.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For containment : Contain leaking substance, pump over in suitable containers. Stop leak if safe to do so.

Contain the spilled material by bunding (product is hazardous for the environment).

Methods for cleaning up : Take up liquid spill into absorbent material. Scoop absorbed substance into closing

containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and

equipment after handling.

6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13. For further information refer to section 8: "Exposure controls/personal protection".

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas

with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Remove

contaminated clothes.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed and dry. Store in a well-ventilated place.

Heat and ignition sources : Keep away from : All heat sources.

Information on mixed storage : Keep away from (strong) acids. Strong bases.

Storage area : Keep in a cool place. Store in a dry place. Store in a well-ventilated place. The floor of the

depot should be impermeable and designed to form a water-tight basin. Keep container tight

closed. meet the legal requirements.

Special rules on packaging : closing. correctly labelled. dry. meet the legal requirements. Secure fragile packagings in

solid containers.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

PA-SEALCOAT RAPID UV A		
DNEL/DMEL (Workers)		
112 mg/m³		
4 mg/kg bw/day		
28 mg/m³		
DNEL/DMEL (General population)		
1.4 mg/kg bw/day		
4.8 mg/m³		
1.4 mg/kg bw/day		
1.4 mg/kg bw/day		
4.8 mg/m³		
1.4 mg/kg bw/day		
PNEC (Water)		
0.00013 mg/l		
0.000013 mg/l		

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PA-SEALCOAT RAPID UV A		
PNEC (Sediment)		
PNEC sediment (freshwater)	0.21 mg/kg dwt	
PNEC sediment (marine water)	0.02 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.1 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	31.1 mg/l	

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Protective goggles. Gloves.

Personal protective equipment symbol(s):







8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. Avoid contact with skin and eyes. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure

8.2.2.2. Skin protection

Skin and body protection:

Long sleeved protective clothing. Complete protective clothing

Hand protection:

Chemical resistant gloves (according to European standard ISO 374-1 or equivalent). Wear suitable gloves. Polyethylene. eval. Breakthrough time : refer to the recommendations of the supplier

Other skin protection

Materials for protective clothing:

Wear suitable protective clothing

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid : Colorless. Colour **Appearance** : Liquid. Molecular mass 554.72 g/mol Odour Not available Odour threshold Not available Melting point Not available Freezing point : Not available Boiling point : Not available Flammability : Not applicable Lower explosion limit : Not available Upper explosion limit : Not available Flash point : Not available : Not available Auto-ignition temperature : Not available Decomposition temperature рΗ : Not available Viscosity, kinematic : Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available Density : Not available Relative density : Not available Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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LC50 Inhalation - Rat

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SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

PA-SEALCOAT RAPID UV A		
LD50 oral rat	> 2000 mg/kg bodyweight (EU method B.1 tris: Acute oral toxicity - Method for determination of acute toxicity class, Rat, Male / female, Read-across, Oral)	
LD50 dermal rat	> 2000 mg/kg bodyweight (EU method B.3: Acute toxicity (dermal), 24 h, Rat, Male / female, Read-across, Dermal)	
LC50 Inhalation - Rat	> 4.224 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / Female, Readacross, Inhalation (aerosol))	
Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester (136210-30-5)		
LD50 oral rat	> 2000 mg/kg bodyweight (EU method B.1 tris: Acute oral toxicity - Method for determination of acute toxicity class, Rat, Male / female, Read-across, Oral)	
LD50 dermal rat	> 2000 mg/kg bodyweight (EU method B.3: Acute toxicity (dermal), 24 h, Rat, Male /	

isoforondiamine-isobutyraldimine (54914-37-3)

LD50 oral rat	4150 mg/kg
LD50 dermal rat	> 5000 mg/kg

female, Read-across, Dermal)

across, Inhalation (aerosol))

Skin corrosion/irritation : Causes severe skin burns.

Serious eye damage/irritation : Assumed to cause serious eye damage 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 : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester (136210-30-5)

Viscosity, kinematic 2031 mm²/s (20 ° C, OECD 114: Viscosity of liquids)

isoforondiamine-isobutyraldimine (54914-37-3)

Viscosity, kinematic 38 mm²/s

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms

: Not expected to be an irritant to eyes or skin, Non-toxic by inhalation, Non-toxic if swallowed

> 4.224 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / Female, Read-

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

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Hazardous to the aquatic environment, short-term

: Not classified

(acute)

Hazardous to the aquatic environment, long-term

: Harmful to aquatic life with long lasting effects.

(chronic)

Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester (136210-30-5)		
LC50 - Fish [1]	66 mg/l (OECD 203: Fish: acute toxicity study, 96 h, Danio rerio, Static system, Fresh water, Read-across, GLP)	
EC50 - Crustacea [1]	88.6 mg/l (Other, 48 h, Daphnia magna, Static system, Fresh water, Read-across, GLP)	
ErC50 algae	> 1.319 mg/l (OECD 201: Algae: growth inhibition study, 48 h, Scenedesmus subspicatus, Static system, Fresh water, Read-across, GLP)	
isoforondiamine-isobutyraldimine (54914-37-3)		
LC50 - Fish [1]	> 100 mg/l	
EC50 - Crustacea [1]	> 14.7 mg/l	
EC50 72h - Algae [1]	> 100 mg/l	
NOEC chronic crustacea	3 mg/l	
NOEC chronic algae	7.6 mg/l	

12.2. Persistence and degradability

Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester (136210-30-5)	
Persistence and degradability Not readily biodegradable.	
isoforondiamine-isobutyraldimine (54914-37-3)	
Biodegradation 34 %	

12.3. Bioaccumulative potential

Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester (136210-30-5)		
BCF - Other aquatic organisms [1]	1872 (Other, Calculated Value)	
Partition coefficient n-octanol/water (Log Pow)	5.16 (Calculated, KOWWIN, 20 ° C)	
Bioaccumulative potential	Bioaccumulative potential.	
isoforondiamine-isobutyraldimine (54914-37-3)		
Partition coefficient n-octanol/water (Log Pow) 5.2		

12.4. Mobility in soil

Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester (136210-30-5)	
Surface tension	63.91 mN/m (19.7 ° C, 89.97 mg / I, OECD 115: Surface tension of aqueous solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.2 – 5.1 (log Koc, EU-methode C.19, Read-across, GLP)
Ecology - soil	Low mobility (soil).

12.5. Results of PBT and vPvB assessment

Component		
Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester (136210-30-5)	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	

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12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

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

IMDG

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

IATA

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

ADN

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

RID

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

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

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14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

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

Netherlands

SZW list of carcinogenic substances : None of the components are listed SZW list of mutagenic substances : None of the components are listed SZW list of reprotoxic substances - Breastfeeding : None of the components are listed SZW List of reprotoxic substances - Development : None of the components are listed : None of the components are listed

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Denmark

Danish National Regulations

: Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Sens. 1	Skin sensitisation, Category 1

Safety Data Sheet (SDS), EU

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.