

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

1.1. Product identifier

Product form : Mixture
 Product name : TURBODEC INITIATOR

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

1.2.1. Relevant identified uses

Main use category : 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 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]

Organic Peroxides, Type C H242
 Serious eye damage/eye irritation, Category 2 H319
 Skin sensitisation, Category 1 H317
 Reproductive toxicity, Category 1A H360D
 Hazardous to the aquatic environment – Acute Hazard, Category 1 H400
 Hazardous to the aquatic environment – Chronic Hazard, Category 1 H410
 Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



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	GHS02	GHS07	GHS08	GHS09
Signal word (CLP)	: Danger			
Contains	: Dicyclohexyl phthalate; Benzoyl peroxide			
Hazard statements (CLP)	: H242 - Heating may cause a fire. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H360D - May damage the unborn child. H410 - Very toxic to aquatic life with long lasting effects.			
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220 - Keep away from clothing and other combustible materials. P234 - Keep only in original packaging. P264 - Wash face, hands thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves, protective clothing, eye protection, face protection, hearing protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P410 - Protect from sunlight. P420 - Store separately. P501 - Dispose of contents and container to Comply with local regulations for disposal. P411 - Store at temperatures not exceeding °C. P235 - Keep cool.			

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Dicyclohexyl phthalate (84-61-7)	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

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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

Component	
Dicyclohexyl phthalate(84-61-7)	The substance is included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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

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]
Dicyclohexyl phthalate substance listed as REACH Candidate substance identified as having endocrine disrupting properties	CAS-No.: 84-61-7 EC-No.: 201-545-9	40 – 50	Skin Sens. 1B, H317 Repr. 1A, H360D Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzoyl peroxide	CAS-No.: 94-36-0 EC-No.: 202-327-6 EC Index-No.: 617-008-00-0	40 – 50	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10)

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	: Self-protection of the first helper.
First-aid measures after inhalation	: Bring the victim into fresh air. Call a doctor. If unconscious place in recovery position and seek medical advice.
First-aid measures after skin contact	: Wash off immediately with soap and plenty of water. Take off immediately all contaminated clothing and wash it before reuse.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice and attention.
First-aid measures after ingestion	: If you feel unwell: consult a doctor/medical service.

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

Symptoms/effects : No supplementary information available.

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

No supplementary information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : ABC-powder. water jet. CO2.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. cracked hydrocarbons.

5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No flames, no sparks. Eliminate all sources of ignition. Keep public away.

6.1.1. For non-emergency personnel

Emergency procedures : Use protective clothing.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Mechanically recover the product. Avoid release to the environment.

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Other information : Provide adequate ventilation.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : In use, may form flammable vapour-air mixture. Do not expose to heat. Take precautionary measures against static discharge. Avoid bumping or abrasion. Avoid open flames, sparks and sunlight. Keep ignition sources away - no smoking.

Precautions for safe handling : Avoid dust generation. Protect from heat and direct sunlight. Open and handle tanks with care. Do not eat, drink or smoke during use. Avoid shock and friction. When transferring large quantities without extraction equipment: respiratory protection. Do not pour the remaining quantities back into the storage containers. Wash hands before work breaks and after finishing work. Product should only come into contact with suitable working materials, such as polyethylene or stainless steel. Do not contact with dirt, rust, chemicals, especially concentrated acids and accelerators. Prevent the build-up of electrostatic charge. Turn off all ignition sources and do not create a fire or sparks.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store according to local legislation.

Storage conditions : Keep only in original container. Store according to local legislation. Definitely avoid ingress into the ground.

Storage temperature : ≤ 30 °C

Information on mixed storage : Do not contact with dirt, rust, chemicals, especially concentrated acids and accelerators.

Storage area : Protect from direct sun rays. Store away from heat. Avoid sub-soil penetration. Smoking, eating and drinking should be prohibited in areas of storage and use.

7.3. Specific end use(s)

No supplementary information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Dicyclohexyl phthalate (84-61-7)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	5 mg/m ³

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

No additional information available

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Keep away from food, drink and animal feeding stuffs. Remove contaminated clothes. Wash hands before break and at end of works. Avoid all contact with skin, eyes, or clothing.

8.2.2. Personal protection equipment

Personal protective equipment:

Wear protective gloves. Wear protective clothing. Protective goggles.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Protective goggles

8.2.2.2. Skin protection

Skin and body protection:

Protective clothing

Hand protection:

protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other skin protection

Materials for protective clothing:

neoprene/butyl rubber. fluorinated rubber

8.2.2.3. Respiratory protection

Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Not available
Appearance	: Powder.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Can become highly flammable in use.
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: 60 °C
pH	: Not available

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pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 610 kg/m ³
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

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

No supplementary information available.

10.2. Chemical stability

SADT-(Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition can occur with a substance in the shipping container. Contact with incompatible substances may cause decomposition at or below SADT. No decomposition when stored and handled as directed. To avoid thermal decomposition do not overheat.

10.3. Possibility of hazardous reactions

Self-accelerating decomposition from SADT.

10.4. Conditions to avoid

No supplementary information available.

10.5. Incompatible materials

Spontaneous decomposition on contact with dirt, rust, chemicals, especially concentrated acids and accelerators.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. cracked hydrocarbons.

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

Dicyclohexyl phthalate (84-61-7)	
LD50 oral rat	41400 mg/kg
LD50 dermal rabbit	> 7940 mg/kg
Benzoyl peroxide (94-36-0)	
LD50 oral rat	> 2000 mg/kg
LC50 Inhalation - Rat	24.3 mg/l/4h OECD 403
Skin corrosion/irritation	: Not classified

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Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Component

Dicyclohexyl phthalate(84-61-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available
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11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

Dicyclohexyl phthalate (84-61-7)

LC50 - Fish [1]	> 10000 mg/l
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Benzoyl peroxide (94-36-0)

LC50 - Fish [1]	0.0602 mg/l (oncorhynchus mykiss, OECD 203,96h)
EC50 - Crustacea [1]	0.11 mg/l

12.2. Persistence and degradability

Dicyclohexyl phthalate (84-61-7)

Persistence and degradability	Readily biodegradable in water. Sedimentation in water.
ThOD	2.376 g O ₂ /g substance

12.3. Bioaccumulative potential

Dicyclohexyl phthalate (84-61-7)

BCF - Fish [1]	640
Partition coefficient n-octanol/water (Log Pow)	3 – 6.2
Bioaccumulative potential	Strong potential for bioaccumulation (Log Kow > 5).

Benzoyl peroxide (94-36-0)

Partition coefficient n-octanol/water (Log Pow)	3.2 (22°C, OECD 107)
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12.4. Mobility in soil

Benzoyl peroxide (94-36-0)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	6310 22°C
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12.5. Results of PBT and vPvB assessment

Component

Dicyclohexyl phthalate (84-61-7)	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
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12.6. Endocrine disrupting properties

Component

Dicyclohexyl phthalate(84-61-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available
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12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Avoid release to the environment.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations. Remove to authorized disposal company. Do not discharge into sewers or the environment.

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	: UN UN3106
UN-No. (IMDG)	: UN UN3106
UN-No. (IATA)	: UN UN3106
UN-No. (ADN)	: UN UN3106
UN-No. (RID)	: UN UN3106

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: UN3106 ORGANIC PEROXIDE, TYPE D, SOLID (DIBENZOYL PEROXIDE), ENVIRONMENTALLY HAZARDOUS
Proper Shipping Name (IMDG)	: ORGANIC PEROXIDE TYPE D, SOLID (DIBENZOYL PEROXIDE), MARINE POLLUTANT
Proper Shipping Name (IATA)	: ORGANIC PEROXIDE TYPE D, SOLID (DIBENZOYL PEROXIDE)
Proper Shipping Name (ADN)	: UN3106 ORGANIC PEROXIDE, TYPE D, SOLID (DIBENZOYL PEROXIDE), ENVIRONMENTALLY HAZARDOUS
Proper Shipping Name (RID)	: UN3106 ORGANIC PEROXIDE, TYPE D, SOLID (DIBENZOYL PEROXIDE), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN UN3106 ORGANIC PEROXIDE TYPE D, SOLID (DIBENZOYL PEROXIDE), MARINE POLLUTANT, 5.2, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN UN3106 ORGANIC PEROXIDE TYPE D, SOLID (DIBENZOYL PEROXIDE), 5.2, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN)	: UN UN3106 UN3106 ORGANIC PEROXIDE, TYPE D, SOLID (DIBENZOYL PEROXIDE), ENVIRONMENTALLY HAZARDOUS, 5.2, ENVIRONMENTALLY HAZARDOUS

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Transport document description (RID) : UN UN3106 UN3106 ORGANIC PEROXIDE, TYPE D, SOLID (DIBENZOYL PEROXIDE), ENVIRONMENTALLY HAZARDOUS, 5.2, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 5.2
Danger labels (ADR) : 5.2



IMDG

Transport hazard class(es) (IMDG) : 5.2
Danger labels (IMDG) : 5.2



IATA

Transport hazard class(es) (IATA) : 5.2
Danger labels (IATA) : 5.2



ADN

Transport hazard class(es) (ADN) : 5.2
Danger labels (ADN) : 5.2



RID

Transport hazard class(es) (RID) : 5.2
Danger labels (RID) : 5.2



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 : Yes
Marine pollutant : Yes
Other information : No supplementary information available

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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

No data available

Rail transport

No data available

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 substance(s) listed on the REACH Candidate List in concentrations $\geq 0.1\%$ or SCL: Dicyclohexyl phthalate (EC 201-545-9, CAS 84-61-7)

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

Employment restrictions

: Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK)

: WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

Chemicals Prohibition Ordinance (ChemVerbotsV)

: This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the shipping route (according to § 10).

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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 - Fertility : None of the components are listed
SZW List of reprotoxic substances - Development : Dicyclohexyl phthalate is listed

Denmark

Danish National Regulations : 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

Switzerland

Storage class (LK) : LK 5 - Oxidizing materials

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H241	Heating may cause a fire or explosion.
H242	Heating may cause a fire.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360D	May damage the unborn child.
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.
Org. Perox. B	Organic Peroxides, Type B
Repr. 1A	Reproductive toxicity, Category 1A
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

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.