

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

### 1.1. Product identifier

Product form : Mixture

Product name : PRM-B

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use

#### 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. 4 (Oral) H302

Skin Corr. 1B H314

Eye Dam. 1 H318

Skin Sens. 1 H317

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 : Phosphoric trichloride, reaction products with propylene oxide

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.  
 H302 - Harmful if swallowed.  
 H318 - Causes serious eye damage.

Precautionary statements (CLP) :  
 P260 - Do not breathe dust, fume, gas, mist, spray, vapours.  
 P264 - Wash hands, forearms and face thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P273 - Avoid release to the environment.  
 P280 - Wear eye protection, face protection, protective clothing, protective gloves.

### 2.3. Other hazards

No additional information available

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### 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]
Benzyl alcohol	(CAS-No.) 100-51-6 (EC-No.) 202-859-9 (EC Index-No.) 603-057-00-5 (REACH-no) 01-2119492630-38	23,5395 – 47,079	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332
3-aminomethyl-3,5,5-trimethylcyclohexylamine	(CAS-No.) 2855-13-2 (EC-No.) 220-666-8 (EC Index-No.) 612-067-00-9 (REACH-no) 01-2119514687-32	23,5395 – 47,079	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Phosphoric trichloride, reaction products with propylene oxide	(CAS-No.) 1244733-77-4 (REACH-no) 01-2119486772-26	5,12823	Acute Tox. 4 (Oral), H302

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. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Wash with plenty of water/....
- First-aid measures after eye contact : Get immediate medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.
- First-aid measures after ingestion : Drink plenty of water. Get medical advice/attention if you feel unwell.

#### 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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Water. Powder. Alcohol resistant foam.
- 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.

#### 5.3. Advice for firefighters

- Protection during firefighting : [In case of inadequate ventilation] wear respiratory protection.
- Other information : Dispose in a safe manner in accordance with local/national regulations.

### SECTION 6: Accidental release measures

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

- General measures : Personal protective equipment.

##### 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. Avoid release to the environment.

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

- For containment : Collect spillage.

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Methods for cleaning up	: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Concerning disposal elimination after cleaning, see section 13.
Other information	: Provide adequate ventilation.

### 6.4. Reference to other sections

Clean contaminated surfaces with a soap solution. Clean contaminated surfaces with an excess of water.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Provide local exhaust or general room ventilation. Ensure adequate ventilation.
Hygiene measures	: Take off contaminated clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: The floor of the depot should be impermeable and designed to form a water-tight basin.
Storage conditions	: Keep only in original container.
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs.
Storage area	: Store in a well-ventilated place.
Special rules on packaging	: Store in tightly closed containers.

### 7.3. Specific end use(s)

No supplementary information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls	: In case of inadequate ventilation wear respiratory protection.
Hand protection	: Protective gloves. Nitrile rubber. Viton
Eye protection	: Chemical goggles or safety glasses
Skin and body protection	: Long sleeved protective clothing
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Type A

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: No data available
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	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

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### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No supplementary information available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Reacts vigorously with strong oxidizers and acids. Stable under normal conditions.

### 10.4. Conditions to avoid

No supplementary information available.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

None under normal use. In case of fire: Toxic gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

ATE CLP (oral)	1176,12 mg/kg bodyweight
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Benzylic alcohol (100-51-6)	
LD50 oral rat	1620 mg/kg bodyweight (Rat; Experimental value))
LC50 inhalation rat (mg/l)	> 4,178 mg/l air (OECD 403: Acute inhalation toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol))

3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
LD50 oral rat	1030 mg/kg (Equivalent to or corresponding to OECD 401, Rat, Male, Experimental value, Oral, 14 day (s))
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute dermal toxicity)
LC50 inhalation rat (mg/l)	> 5,01 mg/l/4h (Rat; Experimental value)

Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met
Carcinogenicity	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Based on available data, the classification criteria are not met
STOT-single exposure	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Based on available data, the classification criteria are not met
Aspiration hazard	: Based on available data, the classification criteria are not met

## SECTION 12: Ecological information

### 12.1. Toxicity

Benzylic alcohol (100-51-6)	
LC50 fish 1	460 mg/l (EPA OPP 72-1, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	230 mg/l (OECD 202: Acute Immobilization Study in Daphnia sp., 48 h, Daphnia magna, Fresh water, Experimental value, GLP)
LC50 fish 2	10 mg/l (96 h; Lepomis macrochirus)
ErC50 (algae)	770 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
Threshold limit algae 1	640 mg/l (96 h; Scenedesmus quadricauda)

3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
LC50 fish 1	110 mg/l (EU method C.1, 96 h, Leuciscus idus, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	23 mg/l (OECD 202: Acute Immobilization Study in Daphnia sp., 48 h, Daphnia magna, Static System, Fresh Water, Experimental Value, GLP)

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<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</b>	
LC50 fish 2	110 mg/l (LC50; EU method C.1; 96 h; Leuciscus idus; Semi-static system; Fresh water; Experimental value)
NOEC chronic crustacea	23
NOEC chronic algae	1,5 mg/l

### 12.2. Persistence and degradability

<b>PRM-B</b>	
Persistence and degradability	No supplementary information available.
<b>Benzylic alcohol (100-51-6)</b>	
Persistence and degradability	easily degradable in the soil. readily degradable in water.
Biochemical oxygen demand (BOD)	1,6 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2,4 g O <sub>2</sub> /g substance
ThOD	2,5 g O <sub>2</sub> /g substance
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</b>	
Persistence and degradability	Product is practically not biodegradable.

### 12.3. Bioaccumulative potential

<b>PRM-B</b>	
Bioaccumulative potential	No supplementary information available.
<b>Benzylic alcohol (100-51-6)</b>	
Partition coefficient n-octanol/water (Log Pow)	1 – 1,1 20 °C Experimental value
Bioaccumulative potential	Low bioaccumulation potential.
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</b>	
BCF other aquatic organisms 1	3,16 (BCF; BCFWIN)
Partition coefficient n-octanol/water (Log Pow)	0,99 (Experimental value; OECD 107: Partition coefficient (n-octanol / water): Shake bottle method; 23 ° C)
Bioaccumulative potential	Low bioaccumulation potential.

### 12.4. Mobility in soil

<b>PRM-B</b>	
Ecology - soil	No supplementary information available.
<b>Benzylic alcohol (100-51-6)</b>	
Surface tension	39 mN/m (20 °C)
Ecology - soil	No supplementary information available.
<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</b>	
Surface tension	3,47 N/m (23 °C)
Partition coefficient n-octanol/water (Log Koc)	log Koc,2.97; QSAR
Ecology - soil	Small adsorption.

### 12.5. Results of PBT and vPvB assessment

Component	
Benzylic alcohol (100-51-6)	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
3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	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

Additional information : danger for water. Do not discharge into drains or rivers. Danger of pollution of drinking water when product enters the soil. Harmful to aquatic organisms

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.  
 Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
 European List of Waste (LoW) code : 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS  
 08 02 00 - wastes from MFSU of other coatings (including ceramic materials)

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### SECTION 14: Transport information

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

#### 14.1. UN number

UN-No. (ADR)	: 2735
UN-No. (IMDG)	: 2735
UN-No. (IATA)	: 2735
UN-No. (ADN)	: 2735
UN-No. (RID)	: 2735

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: AMINES, LIQUID, CORROSIVE, N.O.S. / POLYAMINES, LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (IMDG)	: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (IATA)	: Amines, liquid, corrosive, n.o.s.
Proper Shipping Name (ADN)	: AMINES, LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (RID)	: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
Transport document description (ADR)	: UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. / POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Isophorone diamine (mixture)), 8, III, (E)
Transport document description (IMDG)	: UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Isophorone diamine (mixture)), 8, III

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR)	: 8
Danger labels (ADR)	: 8



##### IMDG

Transport hazard class(es) (IMDG)	: 8
Danger labels (IMDG)	: 8



##### IATA

Transport hazard class(es) (IATA)	: 8
Danger labels (IATA)	: 8



##### ADN

Transport hazard class(es) (ADN)	: 8
Danger labels (ADN)	: 8



##### RID

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Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8



### 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) : C7

Special provisions (ADR) : 274

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) : L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Hazard identification number (Kemler No.) : 80

Orange plates :



Tunnel restriction code (ADR) : E

EAC code : 2X

APP code : B

#### - Transport by sea

Special provisions (IMDG) : 223, 274

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T7

Tank special provisions (IMDG) : TP1, TP28

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-B

Stowage category (IMDG) : A

Stowage and segregation (IMDG) : Separated from acids.

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Properties and observations (IMDG) : Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes.

### - Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y841  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 852  
PCA max net quantity (IATA) : 5L  
CAO packing instructions (IATA) : 856  
CAO max net quantity (IATA) : 60L  
Special provisions (IATA) : A3  
ERG code (IATA) : 8L

### - Inland waterway transport

Classification code (ADN) : C7  
Special provisions (ADN) : 274  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EP  
Number of blue cones/lights (ADN) : 0  
Carriage prohibited (ADN) : No  
Not subject to ADN : No

### - Rail transport

Classification code (RID) : C7  
Special provisions (RID) : 274  
Limited quantities (RID) : 5L  
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) : L4BN  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Colis express (express parcels) (RID) : CE8  
Hazard identification number (RID) : 80  
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 (Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV))

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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  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

## 15.2. Chemical safety assessment

Not determined.

## SECTION 16: Other information

Other information : This sheet information describes security recommendations valid for our product. It is not to take as any liability concerning proprieties of our product.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Sens. 1	Skin sensitisation, Category 1
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

*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.*