


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

### 1.1. Product identifier

Product form : Mixture  
Trade name : Derbigum SP AR  
Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use

#### 1.2.2. Uses advised against

No additional information available

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

Imperbel N.V./S.A  
Guido Gezellestraat 123  
1654 Beersel (Huizingen), Belgium  
Tel.+32 2 334 87 00  
Fax:+32 2 378 14 69  
infobe@derbigum.com  
www.derbigum.be

### 1.4. Emergency telephone number

Emergency number : + 32 3 575 55 55 (24h/24h)

| Country | Official advisory body                                   | Address                                  | Emergency number  |
|---------|--|--|---|
| Ireland | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare<br>professionals-24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Not classified

### 2.2. Label elements


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

Extra phrases : EUH208 - Contains 2-ethylhexyl-(+)-(R)-2-(4-chloro-2-methylphenoxy)propionate. May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

### 2.3. Other hazards

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

| Substance name  | Product identifier                                  | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                     |
|---|---|--------|---|
| 2-ethylhexyl-(+)-(R)-2-(4-chloro-2-methylphenoxy)propionate | (CAS-No.) 861229-15-4<br>(EC-No.) -<br>(EC Index) - | < 0,25 | Acute Tox. 4 (Oral), H302<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures


|                   |   |
|-------------------|---|
| Additional advice | : First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically. |
| Inhalation        | : Remove casualty to fresh air and keep warm and at rest. In case of doubt or persistent symptoms, consult always a physician.  |
| Skin contact      | : Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.   |
| Eyes contact      | : Rinse immediately carefully and thoroughly with eye-bath or water. In case of doubt or persistent symptoms, consult always a physician.   |
| Ingestion         | : Rinse mouth thoroughly with water. Get medical advice/attention.  |

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

|              |   |
|--------------|---|
| Inhalation   | : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.               |
| Skin contact | : May cause an allergic skin reaction. The following symptoms may occur: irritation (itching, redness, blistering). |
| Eyes contact | : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.              |
| Ingestion    | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.                |

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

Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO<sub>2</sub>), powder, alcohol-resistant foam, water spray.  
 Unsuitable extinguishing media : Strong water jet.

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

Specific hazards : Not flammable.

### 5.3. Advice for firefighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.  
 Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.  
 Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing.

#### 6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

### 6.2. Environmental precautions

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

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

Methods for cleaning up : Stop leak if safe to do so. Dam up the solid spill. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation.


### 6.4. Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment.

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Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

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

Technical measures : Protect from moisture. Keep container tight closed.  
Storage conditions : Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10.  
Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight.  
Packaging materials : Keep only in the original container.

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

No data available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

Additional information : Recommended monitoring procedures : Personal air monitoring. Room air monitoring


**8.2. Exposure controls**

Engineering measure(s) : Provide adequate ventilation. Organisational measures to prevent /limit releases, dispersion and exposure. See Section 7 for information on safe handling.  
Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  
Hand protection : Wear chemically resistant gloves (tested to EN374) . The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.  
Eye protection : Not required for normal conditions of use. Safety goggles recommended during refilling  
Body protection : Wear suitable protective clothing  
Respiratory protection : Usually no personal respirative protection necessary. In case of insufficient ventilation, wear suitable respiratory equipment. full face mask (DIN EN 136). Half-face mask (DIN EN 140). Filter type: A (EN141).  
Thermal hazard protection : Not required for normal conditions of use. Use dedicated equipment.  
Environmental exposure controls : Avoid release to the environment. Comply with applicable Community environmental protection legislation.

**SECTION 9: Physical and chemical properties**

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

Physical state : Solid  
Appearance : Solid.  
Colour : Black.  
Odour : odourless.  
Odour threshold : Not available

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|  |  |
|--|--|
| pH   | : Not available  |
| pH solution                                | : Not available  |
| Relative evaporation rate (butylacetate=1) | : No data available  |
| Melting / freezing point                   | : 150 °C   |
| Freezing point                             | : No data available  |
| Initial boiling point and boiling range    | : No data available  |
| Flash point                                | : 300 °C   |
| Auto-ignition temperature                  | : 350 °C   |
| Decomposition temperature                  | : Not applicable   |
| Flammability (solid, gas)                  | : No data available  |
| Vapour pressure                            | : No data available  |
| Vapour density                             | : No data available  |
| Relative density                           | : 1,05   |
| Solubility                                 | : No additional information available.<br>Water: Insoluble |
| Partition coefficient n-octanol/water      | : No data available  |
| Kinematic viscosity                        | : No data available  |
| Dynamic viscosity                          | : No data available  |
| Explosive properties                       | : Not applicable.  |
| Oxidising properties                       | : Not applicable.  |
| Explosive limits                           | : No data available  |
| Particle size                              | : Not available  |
| Particle size distribution                 | : Not available  |
| Particle shape                             | : Not available  |
| Particle aspect ratio                      | : Not available  |
| Particle aggregation state                 | : Not available  |
| Particle agglomeration state               | : Not available  |
| Particle specific surface area             | : Not available  |
| Particle dustiness                         | : 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**

Stable at ambient temperature and under normal conditions of use. Reference to other sections: 10.4 & 10.5.

### **10.2. Chemical stability**

Stable under normal conditions.

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### **10.3. Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

### **10.4. Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. See Section 7 for information on safe handling.

### **10.5. Incompatible materials**

See Section 7 for information on safe handling.

### **10.6. Hazardous decomposition products**

Reference to other sections 5.2.

## **SECTION 11: Toxicological information**

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

|                                   |   |
|-----------------------------------|---|
| Acute toxicity                    | : Not classified (Based on available data, the classification criteria are not met) |
| Skin corrosion/irritation         | : Not classified (Based on available data, the classification criteria are not met) |
| Serious eye damage/irritation     | : Not classified (Based on available data, the classification criteria are not met) |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity            | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity                   | : Not classified (Based on available data, the classification criteria are not met) |
| Reproductive toxicity             | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure              | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure            | : Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard                 | : Not classified (Based on available data, the classification criteria are not met) |

#### **bitumen/ polymeer/ vulstof/ biocide**

|                     |                   |
|---------------------|-------------------|
| Kinematic viscosity | No data available |
|---------------------|-------------------|

Other information : Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

### **11.2. Information on other hazards**


#### **11.2.1. Endocrine disrupting properties**

Adverse health effects caused by endocrine disrupting properties : 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 %

#### **11.2.2 Other information**

Other information : Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4

## **SECTION 12: Ecological information**

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### **12.1. Toxicity**

Environmental properties : According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

### **12.2. Persistence and degradability**

| bitumen/ polymeer/ vulstof/ biocide |                                      |
|-------------------------------------|--------------------------------------|
| Persistence and degradability       | No additional information available. |

### **12.3. Bioaccumulative potential**

| bitumen/ polymeer/ vulstof/ biocide |                                      |
|-------------------------------------|--------------------------------------|
| Bioaccumulative potential           | No additional information available. |

### **12.4. Mobility in soil**

| bitumen/ polymeer/ vulstof/ biocide |                   |
|-------------------------------------|-------------------|
| Mobility in soil                    | No data available |

### **12.5. Results of PBT and vPvB assessment**

| bitumen/ polymeer/ vulstof/ biocide  |                   |
|--|-------------------|
| 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 |                   |
| Results of PBT assessment  | No data available |

### **12.6. Endocrine disrupting properties**

Adverse effects on the environment caused by endocrine disrupting properties : 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 %


### **12.7. Other adverse effects**

Other adverse effects : No data available

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

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European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : This material and its container must be disposed of as hazardous waste  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

#### SECTION 14: Transport information

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

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

#### 14.6. Special precautions for user

Special precautions for user : No data available

#### - 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

Code: IBC : No data available.

#### 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



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### 15.1.2. National regulations

#### France

| No ICPE | Installations classées<br>Désignation de la rubrique | Code Régime | Rayon |
|---------|--|-------------|-------|
| na      | Not Applicable                                       | na          | na    |

#### Germany

|  |   |
|--|---|
| Regulatory reference                       | : WGK nwg, Non-hazardous to water (Classification according to AwSV, Annex 1)   |
| Employment restrictions                    | : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)<br>Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG) |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)  |

#### Netherlands

|  |   |
|--|---|
| Waterbezwaarlijkheid                                 | : B (5) - Weinig schadelijk voor in het water levende organismen      |
| Saneringsinspanningen                                | : B - Lozing minimaliseren; toepassen van best uitvoerbare technieken |
| SZW-lijst van kankerverwekkende stoffen              | : None of the components are listed                                   |
| SZW-lijst van mutagene stoffen                       | : None of the components are listed                                   |
| SZW-lijst van reprotoxische stoffen – Borstvoeding   | : None of the components are listed                                   |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | : None of the components are listed                                   |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling   | : None of the components are listed                                   |


### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

| 3.2  | Comments   | Modified |  |
|------|--|----------|--|
| 9.2  | Information with regard to physical hazard classes               | Modified |  |
| 9.2  | Other safety characteristics                                     | Added    |  |
| 11.2 | Adverse health effects caused by endocrine disrupting properties | Modified |  |
| 12.6 | Adverse effects on the environment                               | Modified |  |

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|      |   |       |  |
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|      | caused by endocrine disrupting properties |       |  |
| 12.7 | Other adverse effects                     | Added |  |

Abbreviations and acronyms:

|  |  |
|--|--|
|  | ABM = Algemene beoordelingsmethodiek   |
|  | ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin |
|  | ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route                      |
|  | CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC                                   |
|  | IATA = International Air Transport Association   |
|  | IMDG = International Maritime Dangerous Goods Code   |
|  | LEL = Lower Explosive Limit/Lower Explosion Limit  |
|  | UEL = Upper Explosion Limit/Upper Explosive Limit  |
|  | REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals   |
|  | BTT = Breakthrough time (maximum wearing time)   |
|  | DMEL = Derived Minimal Effect level  |
|  | DNEL = Derived No Effect Level   |
|  | EC50 = Median Effective Concentration  |
|  | EL50 = Median effective level  |
|  | ErC50 = EC50 in terms of reduction of growth rate  |
|  | ErL50 = EL50 in terms of reduction of growth rate  |
|  | EWC = European waste catalogue   |
|  | LC50 = Median lethal concentration   |
|  | LD50 = Median lethal dose  |
|  | LL50 = Median lethal level   |
|  | NA = Not applicable  |
|  | NOEC = No observed effect concentration  |
|  | NOEL: no-observed-effect level   |
|  | NOELR = No observed effect loading rate  |
|  | NOAEC = No observed adverse effect concentration   |
|  | NOAEL = No observed adverse effect level   |
|  | N.O.S. = Not Otherwise Specified   |
|  | OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)  |
|  | PNEC = Predicted No Effect Concentration   |
|  | Quantitative structure-activity relationship (QSAR)  |
|  | STOT = Specific Target Organ Toxicity  |
|  | TWA = time weighted average  |
|  | VOC = Volatile organic compounds   |
|  | WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)                         |


Sources of key data used to compile the : European Chemicals Bureau (<http://esis.jrc.ec.europa.eu>) Info from supplier. datasheet

Training advice : Training staff on good practice.

Other information : Assessment/classification CLP. Article 9. Calculation method. Physicochemical hazard assessment: Information given is based on tests on the mixture itself.

Full text of H- and EUH-statements:

|                     |   |
|---------------------|---|
| 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                                       |
| EUH208              | Contains 2-ethylhexyl-(+)-(R)-2-(4-chloro-2-methylphenoxy)propionate. May produce an allergic reaction. |
| EUH210              | Safety data sheet available on request.   |

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|              |   |
|--------------|---|
| H302         | Harmful if swallowed.                                 |
| H317         | May cause an allergic skin reaction.                  |
| H400         | Very toxic to aquatic life.                           |
| H410         | Very toxic to aquatic life with long lasting effects. |
| Skin Sens. 1 | Skin sensitisation, Category 1                        |

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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