

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



Article no.: 163-005365
 Date of print: 25.01.2013
 Version: 3.0

ECOFIX
 Revision date: 18.01.2013
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1. Identification of the substance/ preparation and of the company/ undertaking

1.1. Product identifiers:

Article no. (manufacturer / supplier): 163-005365
 Identification of the substance or preparation: ECOFIX
 CIRANOVA

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

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/downstream user/distributor):

Debal Coatings NV
 Industrieweg 29 Telephone: +32 51 30 11 40
 B-8800Beveren-Roselare Telefax: +32 51 26 48

Dept. responsible for information:

Labo:
 E-mail (competent person): info@debalcoatings.be

1.4. Emergency telephone number

Emergency telephone: +32 51 30 11 40
 (opening hours Monday to Friday from 8:00 am to 4:30 pm)

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

This preparation is not classified as dangerous according to 1999/45/EC.

2.2. Label elements

Labelling (67/548/EEC or 1999/45/EC)

Hazard statements:

n.a.

Safety precautions:

n.a.

contains:

n.a.

Special provisions concerning the labelling of certain mixtures

n.a.

2.3. Other hazards

3. Composition/ Information on ingredients

3.2. Mixtures

chemical characterization (preparation)

Description:

Hazardous ingredients:

Classification according to EC regulation 1272/2008 (CLP):

EC No:	REACH No:	% by weight
CAS No.:	Chemical name:	Remark:
INDEX no.:	classification:	
225-878-4	01-2119475527-28	1 - 2,5
5131-66-8	3-butoxypropan-2-ol	
603-052-00-8	Eye Irrit. 2 H319 / Skin Irrit. 2 H315	

Classification according to Directive 67/548/EEC or 1999/45/EC

EC No:	REACH No:	% by weight
CAS No.:	Identification of the hazard:	Remark:
INDEX no.:	classification:	
225-878-4	01-2119475527-28	1 - 2,5
5131-66-8	3-butoxypropan-2-ol	
603-052-00-8	Xi; R36/38	

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Additional information

Full text of R-phrases: see section 16.

Full text of H-phrases: see section 16.

4. First-aid measures

4.1. Description of first aid measures:

General information:

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

In case of eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

After ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Consult physician immediately. Keep victim calm. Do not induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Alcohol resistant foam, Carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

Strong water jet

5.2. Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. Environmental measures

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

7. Handling and storage

7.1. Precautions for safe handling

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Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion:

Vapours are heavier than air and will spread at floor level. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 25 °C. Protect from heat and direct sunlight.

Due to the content of organic solvents in the preparation:

Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

8. Exposure controls / Personal protection

8.1. Control parameters

EC No:	Description:	type:	Limit value	Unit
CAS No.:			STEL (EC) TWA (EC)	

-

Additional information

TWA (EC): Occupational exposure limit value

STEL (EC): Short-term occupational exposure limit value

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls:

Respiratory protection:

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection:

For prolonged or repeated handling the following glove material must be used: nitrile rubber or butyl rubber

Thickness of the glove material: > 0,4 mm ; Penetration time (maximum wearing period): > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles: DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection:

Wear closely fitting protective glasses in case of splashes.

Body protection:

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures:

After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

Environmental exposure controls

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Do not allow to enter into surface water or drains. refer to chapter 7. No further action is necessary.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: liquid
Colour: whitish transpar
Odour: characteristic

Safety relevant basis data	Unit	Method	Remark:
Flash point (°C):	> 100 °C	DIN 53213	
Ignition temperature (AIT):	n.b.		
lower explosion limit:	n.b.		
Upper explosion limit:	n.b.		
Vapour pressure at 20 °C:	n.b.		
Density at 20 °C:	1,02 g/cm³		
Water solubility (g/l):	water-misible		
pH at 20 °C:	-		
Viscosity at 20 °C	14 s 4 mm	DIN 53211	
Solvent separation test (%):	< 3 %	ADR/RID	
Solid content (%):	26 % by weight		
solvent content:			
Organic solvents::	3,9 % by weight		
Water:	70,3 % by weight		

9.2. Other information:

10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

11. Toxicological information

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

Toxicological data are not available.

Irritant and corrosive effects

Toxicological data are not available.

Sensitisation

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard:

Toxicological data are not available.

Practical experience

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Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties:

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

12. Ecological information

Overall evaluation:

There is no information available on the preparation itself.
Do not allow to enter into surface water or drains.

12.1. Toxicity

No information available.

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF):

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

13. Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation:

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

Control report for waste code/ waste marking according to EAKV:

080112 waste paint and varnish other than those mentioned in 080111

Contaminated packaging:

Recommendation:

Cleaned containers may be recycled. Vessels not properly emptied are special waste.

14. Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.:

n.a.

14.2. UN proper shipping name

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14.3. Transport hazard class(es)

n.a.

14.4. Packing Group:

n.a.

14.5. Environmental hazards:

Land transport (ADR/RID) n.a.

Marine pollutant: n.a.

14.6. Environmental hazards

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Further remarks:

Land transport (ADR/RID)

Tunnel restriction code: -

Sea transport (IMDG)

EmS-No.: n.a.

14.7. Special precautions for user

not applicable

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/l) ISO 11890-2: 41,877

VOC-value (in g/l) ASTM D 2369: 41,877

according to EU-regulation 2004/42/EC (appendix II)

EU limit value for this product (cat. (Cat. A/e)): 150 g/l (2007) / 130 g/l (2010).

This product contains max 41,877 g/l VOC.

National regulations

Informations on working limitations:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out on following substance:

EC No:	Chemical name:	REACH No:
CAS No.: 225-878-4 5131-66-8	3-butoxypropan-2-ol	01-2119475527-28

16. Other information

Relevant R-and H-phrases (Number and full text):

Eye Irrit. 2 / H319	Serious eye damage/eye irritation:	Causes serious eye irritation.
Skin Irrit. 2 / H315	Skin corrosion/irritation:	Causes skin irritation.
Xi; R36/38	Irritant	Irritating to eyes and skin.

Further remarks:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.