


SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Instant Bitumen HCR-180

Revision 2
Revision date 14.10.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking	
1.1. Product identifier	
Product name	Instant Bitumen HCR-180
REACH	..
CAS No.	12002-43-6
EC No.	310-127-6
HS No.	...
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Description	Mixture of resins.
1.3. Details of the supplier of the safety data sheet	
Company	B2Square GmbH
Company address	Necklenbroicher Str. 11 40667 Meerbusch Germany
Web	https://www.bitumenbeyondoil.com/
Telephone	+49 172 587 40769
Email	+31 6 51 63 58 33
Email address of the competent person	Ton.eijkenboom@bitumenbeyondoil.com Ton Eijkenboom (Chief Technology Officer)
Further information	
Intended use	SU3. Industrial use resulting in inclusion into or onto a matrix. Industrial use resulting in manufacture of another substance (use of intermediates). Industrial uses: Uses of substances as such or in preparations at industrial sites.
SECTION 2: Hazards identification	
2.1. Classification of the substance or mixture	
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302+H312; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318;
2.2. Label elements	
Hazard pictograms	
Signal word	Warning, May form combustible dust concentrations in air.

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Hazard statement	Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Dam. 1: H318 - Causes serious eye damage.						
Precautionary Statement: Prevention	P103 - Read label before use. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. Keep containers tightly closed, keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking, prevent dust accumulation.						
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ see section [] for further information., 4.1. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.						
Precautionary Statement: Disposal	An approved waste disposal plant (in accordance with local/regional/national/international regulation). P501 - Dispose of contents/container to						
2.3. Other hazards							
Other hazards	Skin Sens. 1: H317 - May cause an allergic skin reaction. Skin Irrit. 2: H315 - Causes skin irritation.						
Other information							
SECTION 3: Composition/information on ingredients							
3.1. Substances							
EC 1272/2008							
Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Instant Bitumen HCR-180		12002-43-6	310-127-6		100%		
Hazardous ingredients							
Non hazardous.							
Description							
Direct thermal polymerized natural resins (non "442").							
Further information							
SECTION 4: First aid measures							
4.1. Description of first aid measures							
Description							
Inhalation	May cause irritation of the nose, throat and lungs. In case of accident by inhalation: not expected to require first aid. Remove casualty to fresh air and keep at rest.						


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Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Not expected to require first aid. May cause irritation to skin. Rub contaminated skin with Vaseline, then rinse with plenty of water and oily soap.
Ingestion	Not expected to be a primary route of exposure. Wash out mouth with water. If person is conscious, give small quantities of water. Do not induce vomiting unless directed to do so by medical personnel.
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
	Carbon dioxide (CO ₂). Dry chemical. Foam. Water spray. Cool fire exposed containers with waterspray.
Flash point	590deg.F(310degC)
Flammable limits	
In air-lower	ND
In air- upper	250-500 gram / cubic meter
Auto ignition temp.	932 deg F. (500 deg C)
Explosion data	Sensitivity to static discharge, may form combustible concentrations in air
Sustainable Extinguishing	
Media	ABC fire extinguisher or water fog
unsustainable Extinguishing	
Media	Avoid high pressure media that could cause the formation of dust- air mixtures.
Hazardous combustion	
Products	Oxides of carbon and nitrogen
5.3. Advice for firefighters	
	Wear suitable respiratory equipment when necessary.
SECTION 6: Accidental release measures	
6.1. Personal precautions, protective equipment and emergency procedures	
	Keep personnel away from spill.
6.2. Environmental precautions	
	Advise local authorities if large spills cannot be contained. Do not allow product to enter drains. Do not let product contaminate subsoil.
6.3. Methods and material for containment and cleaning up	
	Absorb with inert, absorbent material. Chalk. Sweep up.
Further information	WGK 1.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
	Open container carefully. Specific use.
7.2. Conditions for safe storage, including any incompatibilities	
	Keep container tightly closed and in a well-ventilated place. Store in a cool, dry area. Store in correctly labelled containers.
7.3. Specific end-use	
	Specific use.
Suitable packaging	

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	Mild steel containers. Plastic containers. Suitable packaging.
SECTION 8: Exposure controls/personal protection	
8.1. Control parameters	
	DNEL: Derived no-effect level.
8.1.1. Exposure limit values	
DNEL: Derived no-effect level.	
Exposure Pattern - Workers	
Instant Bitumen HCR-180	Acute inhalation - Local effects n/a Acute dermal - Local effects n/a
Exposure Pattern - General population	
Instant Bitumen HCR-180	Acute inhalation - Local effects 0,88 mg/m ³ Acute dermal - Systemic effects 0,25 KG/Tag Acute oral - Systemic effects n/a
	Acute dermal - Local effects 0,25 KG/Tag Acute oral - Local effects 0,25 bw/Tag
8.2. Exposure control measures	
	
8.2.2. Individual protection measures	Wear protective clothing. Wash all contaminated clothing before reuse.
Eye / face protection	Safety glasses with side-shields.
Skin protection – Handprotection	Rubber gloves.
Respiratory protection	Use a properly fitted particulate filter respirator to prevent exposure to airborne particles.
8.2.3. Environmental exposure controls	Do not allow product to enter drains. Do not let product contaminate subsoil.
Further information	Keep away from food, drink and animal feedingstuffs.
SECTION 9: Physical and chemical properties	
9.1. Information on basic physical and chemical properties	
Appearance	Black (solid) brown (powder)
Colour	Black / brown
Odour	Slightly hydrocarbon odor
pH	N/A
Flash point	320 - 370 °C
Vapour pressure	N/A
Vapour density	N/A
Water solubility	N/A
Autoignition temperature	N/A
Viscosity	N/A
Solubility	Insoluble in water
9.2. Other information	
Specific gravity	1,02 kg/dm ³
Benzene Content	0,0%
Lead content	0,0% (None)
VOC (Volatile Organic Compound)	0,0% (Free)
Total Solids	100%
SECTION 10: Stability and reactivity	

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10.1 Reactivity		
	Stable under normal conditions.	
10.2. Chemical stability		
	Non hazardous. Stable under normal conditions.	
10.3. Possibility of hazardous reactions		
	No Significant Hazard.	
10.6. Hazardous decomposition products		
	Will not decompose if stored and used as recommended.	
SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Respiratory or skin sensitisation	May cause sensitisation by skin contact.	
Germ cell mutagenicity	No mutagenic effects reported.	
Carcinogenicity	No carcinogenic effects reported.	
11.1.4. Toxicological Information		
Instant Bitumen HCR-180	Oral Rat LD50: NA	
	No data is available on this product.	
SECTION 12: Ecological information		
12.1 Toxicity		
Instant Bitumen HCR-180	Daphnia EC50/48h: 2000.0000 mg/l Green Algae EC50/48h: 1300	Fish LC50/96h: 1000.0000 mg/l
12.2. Persistence and degradability		
	Insoluble in water. More than 90% biodegradable.	
12.3. Bioaccumulation potential		
	Does not bioaccumulate.	
Further information		
	No known adverse environmental effects. WGK 1.	
SECTION 13: Disposal considerations		
General information		
	Can be incinerated if in compliance with local and national regulations. Dispose of in compliance with all local and national regulations. Do not empty into drains.	
Disposal methods		
	Contact a licensed waste disposal company.	
Disposal of packaging		
	Containers can be recycled if in compliance with local and national regulations. Empty containers can be sent for disposal or recycling.	
SECTION 14: Transport information		
14.1. UN number		
	The product is not classified as dangerous for transport.	
14.2. UN proper shipping name		
	The product is not classified as dangerous for transport.	
14.3. Transport hazard class(es)		
	The product is not classified as dangerous for transport.	
14.4. Packing group		
	The product is not classified as dangerous for transport.	
14.5. Environmental hazards		
	The product is not classified as dangerous for transport.	
14.6. Special precautions for user		
	The product is not classified as dangerous for transport.	


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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
	The product is not classified as dangerous for transport.
ADR/RID	
	The product is not classified as dangerous for transport.
IMDG	
	The product is not classified as dangerous for transport.
IATA	
	The product is not classified as dangerous for transport.
Further information	
	The product is not classified as dangerous for transport.
SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
	<p>U.S. Federal and State Regulations: SARA 311/312 (42 U.S.C. §§ 11021 and 11022 and implementing regulations) Hazard Categories: Fire Hazard SARA 302/304, 313 (42 U.S.C. §§ 11002, 11004, and 11023); CERCLA RQ (40 C.F.R. §§ 302.4 and 302.5): This product is not subject to the referenced SARA and CERCLA regulations and is not expected to pose a significant risk under anticipated use conditions. International Chemical Inventories Australia AICS: Components are listed or exempt from listing. Canada DSL: Components are listed or exempt from listing. China Inventory: Components are listed or exempt from listing. European Union EINECS/ELINCS: Components are listed or exempt from listing. Japan METI ENCS: Components are listed or exempt from listing. Korea TCCL ECL: Components are listed or exempt from listing. New Zealand: Components are listed or exempt from listing. Philippine PICCS: Components are listed or exempt from listing. U.S. TSCA: Components are listed or exempt from listing. U.S. TSCA: No components are subject to TSCA 12(b) export notification requirements. Canadian Classification: Controlled Products Regulations Statement (CPR): This product has been classified in accordance with the hazard criteria of the CPR and the GHS SOS contains all the information required by the CPR. WHMIS Class: D2BS Skin and eye irritant.</p>
Regulations	WGK1.
Further information	
	See section 7. HANDLING AND STORAGE for further info.
SECTION 16: Other information	
Other information	

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Revision	<p>HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A)</p> <table border="1" data-bbox="683 389 1118 584"> <tr> <td>Health</td> <td>0</td> </tr> <tr> <td>Flammability</td> <td>1</td> </tr> <tr> <td>Physical hazards</td> <td>0</td> </tr> <tr> <td>Personal protection</td> <td>E</td> </tr> </table> <p>National Fire Protection Association (U.S.A.)</p> 	Health	0	Flammability	1	Physical hazards	0	Personal protection	E
Health	0								
Flammability	1								
Physical hazards	0								
Personal protection	E								
Text of risk phrases in Sec. 3	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 1 - EC No. 1 - Intended use. 1 - Other means of identification. 2 - Hazard pictograms. 9 - 9.1. Information on basic physical and chemical properties (PH). 9 - 9.1. Information on basic physical and chemical properties (Vapour pressure). 9 - 9.1. Information on basic physical and chemical properties (Water solubility). 11 - 11.1.4. Toxicological Information. 12 - 12.1. Toxicity. 15 - Regulations. 								
Text of Hazard Statements in Section 3	<p>Text of risk phrases in Section 3.</p> <p>Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Dam. 1: H318 - Causes serious eye damage.</p>								
Restricted use	Restricted use								
Print date	Print date								
Maximum content of VOC	0 g/liter (NEN EN gram / liter).								