

Printing date 23.05.2013

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	entifier	
	e: DAKORIT HG1 31H	
Article nu Relevant i Applicatio	e. <u>DAKOKIT HOLSIN</u> nber: 50312 B lentified uses of the substance or mixture and uses advised against 1 of the substance / the preparation rimer for polyolefin-based substrates, 1-component, solvent-containi	ng
• Details of • Manufact Heinrich I	he supplier of the safety data sheet rer/Supplier: ahne GmbH & Co. KG lahne-Weg 11	Tel.:02363/5663
Abteilung: Tel.: 0236 EMail: inf • Emergenc	9@hahne-bautenschutz.de 9 telephone number: 1tionszentrum Nord (GIZ Nord) Universität Göttingen,	
Hazards	identification	
\checkmark	GHS02 flame 3 H226 Flammable liquid and vapour. GHS07	
	4 H312 Harmful in contact with skin.2 H315 Causes skin irritation.	
 Classificat Hazard de Informati R 10 Fla R 20/21 H R 38 Irra Classificat 	ion according to Directive 67/548/EEC or Directive 1999/45/EC acription: Xn Harmful n concerning particular hazards for human and environment: nmable. armful by inhalation and in contact with skin. trating to skin.	ded by company and literatu
	ents	
· Label elen	according to EU guidelines:	
· Label elen · Labelling	ct has been classified and marked in accordance with EU Directiv	ees / Ordinance on Hazardo

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· Hazard-determining components of labelling: xylene, mixed isomers, pure	
· Risk phrases:	
10 Flammable.	
20/21 Harmful by inhalation and in contact with skin.	
38 Irritating to skin.	
· Safety phrases:	
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).	
24/25 Avoid contact with skin and eyes.	
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.	
36/37 Wear suitable protective clothing and gloves.	
46 If swallowed, seek medical advice immediately and show this container or label.	
51 Use only in well-ventilated areas.	
· Other hazards	
· Results of PBT and vPvB assessment	
• <i>PBT</i> : Not applicable.	
· vPvB: Not applicable.	

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Dissolved chlorinated polyolefin (preparation).

· Dangerous components:

• Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· Description of first aid measures

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed

No further relevant information available.

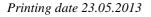
5 Firefighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- · For safety reasons unsuitable extinguishing agents: Water with full jet.
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Mount respiratory protective device.
- · Additional information In case of fire, carbon monoxide, nitrogen oxide and chlorine gas formed.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
- *Methods and material for containment and cleaning up:* Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- **Reference to other sections** See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

- · Handling:
- *Precautions for safe handling* Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- *Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.*
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: Keep away from heat and direct sunlight.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- · Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

1330-20-7 xylene, mixed isomers, pure (50-100%)

- WEL Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV
 - SK, DIVIGV

 \cdot Additional information: The lists valid during the making were used as basis.

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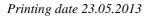
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· Exposure controls	
· Personal protective equipment:	
· General protective and hygienic measures:	
Keep away from foodstuffs, beverages and feed.	
Immediately remove all soiled and contaminated clothing	
Wash hands before breaks and at the end of work.	
Avoid contact with the eyes and skin.	
• Respiratory protection: With good ventilation is not necessary.	
· Protection of hands:	
Protective gloves	
The glove material has to be impermeable and resistant to the product/ the su	bstance/ the preparation.
Selection of the glove material on consideration of the penetration tin	
degradation	
Solvent-resistant gloves made of nitrile rubber, neoprene, Viton wear.	
· Material of gloves	
The selection of the suitable gloves does not only depend on the material, but and varies from manufacturer to manufacturer. As the product is a prepar resistance of the glove material can not be calculated in advance and has the application.	ation of several substances, the
Penetration time of glove material	
The exact break trough time has to be found out by the manufacturer of the observed.	protective gloves and has to be
• Eye protection: Tightly sealed goggles	

· General Information	
· Appearance:	
Form:	Fluid
Colour:	colorless
· Odour:	aromatic
· Change in condition	
Melting point/Melting range:	: Undetermined.
Boiling point/Boiling range:	137°C
· Flash point:	30°C
· Ignition temperature:	500°C
· Self-igniting:	Product is not selfigniting.
• Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	1.1 Vol %
Upper:	7.0 Vol %
• Vapour pressure at 20°C:	6.7 hPa
· Density at 20°C:	0.88 g/cm ³
· Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
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· Other information

No further relevant information available.

10 Stability and reactivity

- · Reactivity
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values relevant for classification:

1330-20-7	0-20-7 xylene, mixed isomers, pure	
Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt)
T T T	TOFOUNT	(250 1/ 1)

Inhalative LC50/4 h 6350 mg/l (rat)

· Primary irritant effect:

• on the skin: Irritant to skin and mucous membranes.

• on the eye: Irritating effect.

· Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful

Irritant

12 Ecological information

· Toxicity

- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behaviour in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- · Additional ecological information:

· General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

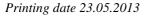
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

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13 Disposal considerations

· Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

14 06 03* other solvents and solvent mixtures

- · Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

UN-Number	
ADR, IMDG, IATA	UN1139
UN proper shipping name	
ADR	1139 COATING SOLUTION (not viscous)
IMDG, IATA	COATING SOLUTION
Transport hazard class(es)	
ADR, IMDG, IATA	
Class	3 Flammable liquids.
Label	3
Packing group	
ADR, IMDG, IATA	III
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler):	30
EMS Number:	<i>F-E</i> , <u><i>S-E</i></u>
Transport in bulk according to Annex	
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Tunnel restriction code	D/E
UN "Model Regulation":	UN1139, COATING SOLUTION (not viscous), 3, III

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15 Regulatory information

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

- · National regulations:
- Technical instructions (air):

ClassShare in %NK97.0

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

- · Other regulations, limitations and prohibitive regulations
- · VOC (EU) 853.6 g/l
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H226 Flammable liquid and vapour.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

Abbreviations and acronyms:
 RiD: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organization
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GB: Globally Harmonized System of Classification and Labelling of Chemicals
 LC50: Lethal concentration, 50 percent