Safety data sheet according to 1907/2006/EC, Article 31

Printing date 15.06.2022



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

· 1.1 Product identifier

· Trade name: EnergyGuard DCC Aluminum

- · Article number: DCC218ALU
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- Product category PC9a Coatings and paints, thinners, paint removers
- Process category

PROC7 Industrial spraying PROC10 Roller application or brushing

- Technical function Dye
- · Application of the substance / the mixture Paint
- \cdot 1.3 Details of the supplier of the safety data sheet

• *Manufacturer/Supplier:* Monopoly B.V. p/a Gaffelveld 3 3993 RC Houten The Netherlands

info@energyguardcorp.com

- **Further information obtainable from:** Product Safety Department R&D department
- **1.4 Emergency telephone number:** NVIC: +31 (0)88 755 8000 Only for the purpose of informing medical personnel in cases of acute intoxications. Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
 Classification according to Regulation (EC) No 1272/2008



H226 Flammable liquid and vapour.

health hazard

Resp. Sens. 1	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2	H351 Suspected of causing cancer.
STOT RE 2	H373 May cause damage to the hearing organs through prolonged or repeated exposure.



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Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H335 May cause respiratory irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.



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Hazard picto	grams
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<u> 83</u>	
GHS02 GH	IS07 GHS08
Signal word	Danger
Hazard-deter	rmining components of labelling:
Aromatisch po	olyisocyanaat-prepolymeer
diphenylmeth	anediisocyanate,isomeres and homologues
o-(p-isocyana	atobenzyl)phenyl isocyanate
Prepolymer b	ased on aromatic polyisocyanate
	ediphenyl diisocyanate
	sulphonyltoluene
	ediphenyl diisocyanate
	henylene diisocyanate
Hazard state	
	able liquid and vapour.
	s skin irritation.
	s serious eye irritation.
	use allergy or asthma symptoms or breathing difficulties if inhaled.
	use an allergic skin reaction.
	ted of causing cancer.
	use respiratory irritation.
	use damage to the hearing organs through prolonged or repeated exposure.
	I to aquatic life with long lasting effects.
Precautional	ry statements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. N
50.44	smoking.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P303+P361+I	P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with wat
	[or shower].
P305+P351+I	P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,
	present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/internation
	regulations.
Additional in	
Contains isoc	yanates. May produce an allergic reaction.
2.3 Other had	
Results of Pl	BT and vPvB assessment
PBT: Not app	olicable.
VPVR · Not an	

• **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

[·] Description: Resin mixture

CAS: 1330-20-7		
EINECS: 215-535-7	xylene	15-<20%
CAS: 67815-87-6	Aromatisch polyisocyanaat-prepolymeer Resp. Sens. 1, H334; STOT RE 2, H373; (1) Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	15-<20%

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CAS: 7429-90-5	aluminium powder (stabilised)	10-<15%
EINECS: 231-072-3	🚸 Flam. Sol. 1, H228	
CAS: 9016-87-9	diphenylmethanediisocyanate,isomeres and homologues Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ① Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	7-<10%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	7-<10%
CAS: 64742-95-6 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Kin Irrit. 2, H315; STOT SE 3, H335-H336	7-<10%
CAS: 127821-00-5	Prepolymer based on aromatic polyisocyanate & Resp. Sens. 1, H334;	7-<10%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	ethylbenzene Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Aquatic Chronic 3, H412	3-<5%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate	1-<2.5%
CAS: 101-68-8 EINECS: 202-966-0 Reg.nr.: 01-2119457014-47	4,4'-methylenediphenyl diisocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ① Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	1-<2.5%
CAS: 5873-54-1 EINECS: 227-534-9 Reg.nr.: 01-2119480143-45	o-(p-isocyanatobenzyl)phenyl isocyanate & Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	1-<2.5%
CAS: 4083-64-1 EINECS: 223-810-8	4-isocyanatosulphonyltoluene ♦ Resp. Sens. 1, H334; ♦ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	0.5-<1%

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· 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: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

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SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- 5.3 Advice for firefighters
- Protective equipment:

No special measures required. Mouth respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.
 6.2 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.
 6.3 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.
 - 6.4 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.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. No special measures required.

• Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.

· 7.2 Conditions for safe storage, including any incompatibilities

- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Additional information about design of technical facilities: No further data; see item 7.

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AS: 1330-20-7 xylene VEL Short-term value: 220 mg/m³, 50 ppm Long-term value: 220 mg/m³, 50 ppm Sk: BMGV XS: 9016-87-9 diphenylmethanedlisocyanate,isomeres and homologues VEL Short-term value: 0.02 mg/m³ Sen; as: NCO XS: 108-65-6 2-methoxy-f-methylethyl acetate VEL Short-term value: 548 mg/m³, 100 ppm Long-term value: 547 mg/m³, 125 ppm Long-term value: 552 mg/m³, 125 ppm Long-term value: 552 mg/m³, 125 ppm Long-term value: 552 mg/m³, 125 ppm Long-term value: 510-041-4 ethylbenzene VEL Short-term value: 607 mg/m³, 150 ppm Long-term value: 724 mg/m³, 150 ppm Long-term value: 0.07 mg/m³ Sen: as -NCO Sen: as -NCO XS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate VEL Short-term value: 0.07 mg/m³ Long-term value: 0.02 mg/m³ Sen; as -NCO XS: 4083-64-1 4-isocyanatobenzyl)phenyl isocyanate VEL Short-term value: 0.02 mg/m³ Sen; as -NCO XS: 4083-64-1 visocyanatobenzyl)phenyl isocyanate VEL	Ingredients with limit values that require monitoring at the workplace:	(Contd. of
 VEL Short-term value: 241 mg/m², 300 ppm Long-term value: 20 mg/m², 300 ppm Sr, BMGV XAS: 9016-87-9 diphenylmethanediisocyanate,isomeres and homologues VEL Short-term value: 0.07 mg/m² Sen; as -NCO XAS: 108-65-6 2-methoxy-1-methylethyl acetate VEL Short-term value: 548 mg/m², 100 ppm Long-term value: 274 mg/m², 50 ppm Sk XAS: 100-41-4 ethylbenzene VEL Short-term value: 552 mg/m², 125 ppm Long-term value: 525 mg/m², 125 ppm Long-term value: 526 mg/m², 200 ppm XAS: 123-86-4 n-butyl acetate VEL Short-term value: 396 mg/m², 200 ppm Sk XAS: 123-86-4 n-butyl acetate VEL Short-term value: 396 mg/m², 200 ppm Long-term value: 241 mg/m², 100 ppm XAS: 101-68-6 4.4'-methylenediphenyl diisocyanate VEL Short-term value: 0.07 mg/m² Long-term value: 241 op/m² XAS: 101-68-6 4.4'-methylenediphenyl diisocyanate VEL Short-term value: 0.07 mg/m² Long-term value: 0.02 mg/m³ Sen; as -NCO XAS: 4083-64-1 -0_pioscyanatobenzyliphenyl isocyanate VEL Short-term value: 0.02 mg/m³ Sen; as -NCO XAS: 4083-64-1 4-isocyanatobenzyliphenyl isocyanate VEL Short-term value: 0.02 mg/m³ Sen; as -NCO XAS: 4083-64-1 4-isocyanatobenzyliphenyl isocyanate VEL Short-term value: 0.02 mg/m³ Sen; as -NCO XAS: 4083-64-1 4-isocyanatobenzyliphenyl isocyanate VEL Short-term value: 0.02 mg/m³ Sen; as -NCO XAS: 1330-20-7 xylene XMCV 650 mmo/mol creatinine Meduit:::rine XAS: 101-68-8 4.4'-methylenediphenyl diisocyanate VEL VI 1 µmol creatinine/mol Medium:::rine XAS: 101-68-8 4.4'-methylenediphenyl lisocyanate VMCV 1 µmol creatinine/mol Medium:::rine XAS: 101-68-8 4.4'-methylenediphenyl lisocyanate VMCV 1 µmol creatinine/mol Medium:::rine XAS: 101-68-8 4.4'-methylenediphenyl lisocyanate VI 1 µmol creatinine/mol Medium::::		
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VEL Short-term value: 0.07 mg/m ³ Ser, as -NCO XAS: 108-65-6 2-methoxy-1-methylethyl acetate VEL Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 548 mg/m ³ , 100 ppm Sk XAS: 100-14-4 ethylbenzene VEL Short-term value: 552 mg/m ³ , 125 ppm Long-term value: 552 mg/m ³ , 125 ppm Long-term value: 525 mg/m ³ , 100 ppm Sk XAS: 123-66-4 n-butyl acetate VEL Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 974 mg/m ³ , 150 ppm XAS: 101-68-8 4,4-methylenediphenyl diisocyanate VEL Short-term value: 0.07 mg/m ³ Sen; as -NCO XAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate VEL Short-term value: 0.07 mg/m ³ Sen; as -NCO XAS: 4083-64-1 4-isocyanatosulphonyltoluene VEL Short-term value: 0.07 mg/m ³ Sen; as -NCO XAS: 4083-64-1 4-isocyanatosulphonyltoluene VEL Short-term value: 0.07 mg/m ³ Sen; as -NCO XAS: 4083-64-1 4-isocyanatosulphonyltoluene VEL Short-term value: 0.07 mg/m ³ Sen; as -NCO XAS: 4083-64-1 4-isocyanatosulphonyltoluene VEL Short-term value: 0.07 mg/m ³ Sen; as -NCO XAS: 5073-57 kg/ene XAS: 1302-07 kg/ene XAS: 1302-07 kg/ene XAS: 1302-07 kg/ene XAS: 1301-68-8 4,4-methylenediphenyl diisocyanate XAS: 5104-68-07 kg/ene XAS: 5373-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate XAS: 53	,	
Long-term value: 0.02 mg/m³ Sen; as -NCO XAS: 108-65-6 2-methoxy-1-methylethyl acetate VEL Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk VEL Short-term value: 552 mg/m³, 125 ppm Long-term value: 441 mg/m³, 100 ppm Sk XS: 123-66-4 n-butyl acetate VEL Short-term value: 724 mg/m³, 150 ppm Long-term value: 724 mg/m³, 150 ppm Long-term value: 724 mg/m³, 150 ppm Cong-term value: 0.07 mg/m³ Sen; as -NCO XAS: 107-68-8.4.4-methylenediphenyl diisocyanate VEL Short-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Long-term value: 0.02 mg/m³ Sen; as -NCO XAS: 4083-64-1 4-isocyanatosulphonyltoluene VEL Short-term value: 0.02 mg/m³ Sen; as -NCO Sen; as -NCO XAS: 4083-64-1 4-isocyanatosulphonyltoluene VEL Short-term value: 0.02 mg/m³ Sen; as -NCO regredients with biological limit values:		
VEL Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk XAS: 100-41-4 ethylbenzene VEL Short-term value: 552 mg/m³, 125 ppm Long-term value: 441 mg/m³, 100 ppm Sk XAS: 123-86-4 n-butyl acetate VEL Short-term value: 724 mg/m³, 120 ppm Long-term value: 724 mg/m³, 120 ppm Long-term value: 724 mg/m³, 120 ppm Long-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Sen; as -NCO XAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate VEL Short-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Sen; as -NCO XAS: 4083-64-1 4-isocyanatosulphonyltoluene VEL Short-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Sen; as -NCO XAS: 4083-64-1 4-isocyanatosulphonyltoluene VEL Short-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Sen; as -NCO XAS: 1300-20-7 xylene IMGV 1500 mol/mol creatini	Long-term value: 0.02 mg/m ³	
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VEL Short-term value: 441 mg/m³, 100 ppm Sk Sk CAS: 123-86-4 n-butyl acetate VEL Short-term value: 724 mg/m³, 100 ppm Long-term value: 724 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm Cong-term value: 724 mg/m³, 150 ppm Cong-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Long-term value: 0.02 mg/m³ Sen; as -NCO CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate VEL Short-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Sen; as -NCO CAS: 4083-64-1 4-isocyanatosulphonyltoluene VEL Short-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Sen; as -NCO rgredients with biological limit values: XAS: 130-20-7 xylene MGV 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid CAS: 5873-54-1 o-(p-isocyanato-derived diamine CAS: 5873-54-1 o-(p-isocyanato-derived diamine CAS: 5873-54-1 o-(p-isocyanato-derived diamine VEL		
Long-term value: 441 mg/m³, 100 ppm Sk Sk Sk VEL Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm XAS: 101-68-8 4.4'-methylenediphenyl diisocyanate VEL Short-term value: 0.07 mg/m³ Long-term value: 0.07 mg/m³ Ser; as -NCO rgerdients with biological limit values: CAS: 1330-20-7 xylene MGV [550 mmol/mol creatinine MGV [1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period od exposure Parameter: isocyan	CAS: 100-41-4 ethylbenzene	
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	General protective and hygienic measures:	
mmediately remove all sailed and contaminated elething	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing	
		(Contd. on

Safety data sheet according to 1907/2006/EC, Article 31



Lower:

Upper:



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Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin. Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of guality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. · Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Tightly sealed goggles SECTION 9: Physical and chemical properties • 9.1 Information on basic physical and chemical properties · General Information • Appearance: Form: Fluid According to product specification Colour: · Odour: Characteristic • Odour threshold: Not determined. · pH-value: Mixture is non-polar/aprotic. · Change in condition Melting point/freezing point: Undetermined. Initial boiling point and boiling range: 137-143 °C 30 °C · Flash point: Flammability (solid, gas): Not applicable. · Ignition temperature: 240 °C · Decomposition temperature: Not determined. • Auto-ignition temperature: Product is not selfigniting. Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible. · Explosion limits:

> 1.1 Vol % 7 Vol %

> > (Contd. on page 7)



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	(Contd. of page
Vapour pressure at 20 °C:	6.7-8.2 hPa
Density at 20 °C:	1.078 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C:	15 s (ISO 6 mm)
Solvent content:	
Organic solvents:	46.0 %
VÕC (EC)	46.00 %
Solids content:	54.0 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

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

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 13	30-20-7 xyl	
Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
CAS: 90	16-87-9 dip	henylmethanediisocyanate,isomeres and homologues
Inhalative	e LC50/4 h	>15 mg/l (rat)
CAS: 64	742-95-6 So	olvent naphtha (petroleum), light arom.
Oral	LD50	>6,800 mg/kg (rat)
Dermal	LD50	>3,400 mg/kg (rab)
Inhalative	e LC50/4 h	>10.2 mg/l (rat)
CAS: 64	742-48-9 Na	aphtha (petroleum), hydrotreated heavy
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rab)
CAS: 10	1-68-8 4,4'-	methylenediphenyl diisocyanate
Oral	LD50	2,200 mg/kg (mouse)
Inhalative	e LC50/4 h	>15 mg/l (rat)

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		-(p-isocyanatobenzyl)phenyl isocyanate	
Oral	LD50	2,000 mg/kg (rat)	
		mg/kg (rabbit)	
Dermal	LD50	9,400 mg/kg (rabbit)	
CAS: 40		isocyanatosulphonyltoluene	
Oral	LD50	2.234 mg/kg (rat)	
	irritant ef		
	rrosion/irr		
	skin irritatio		
	serious eye	nge/irritation	
		in sensitisation	
		or asthma symptoms or breathing difficulties if inhaled.	
May cau	se an aller	gic skin reaction.	
		logical information:	
		inogenity, mutagenicity and toxicity for reproduction)	
		nicity Based on available data, the classification criteria are not met.	
Carcino		ing cancer.	
		icity Based on available data, the classification criteria are not met.	
STOT-si	inale expa	SURP	
	i ngle expo se respirat		
May cau		tory irritation.	
May cau STOT-re May cau	se respirat peated ex se damage	tory irritation. <posure< b=""> e to the hearing organs through prolonged or repeated exposure.</posure<>	
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SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

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

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Trade name: EnergyGuard DCC Aluminum

· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information	
14.1 UN-Number ADR/RID/ADN, ADN, IMDG, IATA	UN1263
14.2 UN proper shipping name ADR/RID/ADN, ADN IMDG, IATA	1263 PAINT PAINT
14.3 Transport hazard class(es)	
ADR/RID/ADN, IMDG, IATA	
Class Label	3 Flammable liquids. 3
ADN ADN/R Class:	3 Flammable liquids.
14.4 Packing group ADR/RID/ADN, IMDG, IATA	111
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids. 30 F-E, <u>S-E</u> A
14.7 Transport in bulk according to Annex II o	f
Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR/RID/ADN Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category Tunnel restriction code	3 D/E
<i>IMDG Limited quantities (LQ) Excepted quantities (EQ)</i>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 1263 PAINT, 3, III

SECTION 15: Regulatory information

• 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture • Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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Trade name: EnergyGuard DCC Aluminum

· Hazard pictograms



Signal word Danger

· Hazard-determining components of labelling:

Aromatisch polyisocyanaat-prepolymeer

diphenylmethanediisocyanate, isomeres and homologues

o-(p-isocyanatobenzyl)phenyl isocyanate

Prepolymer based on aromatic polyisocyanate

4,4'-methylenediphenyl diisocyanate

4-isocyanatosulphonyltoluene

2,2'-methylenediphenyl diisocyanate

4-methyl-m-phenylene diisocyanate

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H335 May cause respiratory irritation.

H373 May cause damage to the hearing organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P5c FLAMMABLE LIQUIDS

• Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H228 Flammable solid.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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Trade name: EnergyGuard DCC Aluminum

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H319 Causes serious eye irritation. H332 Harmful if inhaled.	
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
H335 May cause respiratory irritation.	
H336 May cause drowsiness or dizziness.	
H351 Suspected of causing cancer.	
H373 May cause damage to organs through prolonged or repeated exposure.	
H411 Toxic to aquatic life with long lasting effects.	
H412 Harmful to aquatic life with long lasting effects.	
· Department issuing SDS: product safety department	
Contact:	
Abbreviations and acronyms:	
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerr International Carriage of Dangerous Goods by Road)	ing the
IMDG: International Maritime Code for Dangerous Goods	
IATA: International Air Transport Association	
GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances	
ELINCS: European List of Notified Chemical Substances	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent	
LD50: Lethal concentration, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3	
Flam. Sol. 1: Flammable solids – Category 1	
Acute Tox. 4: Acute toxicity – Category 4	
Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2	
Resp. Sens. 1: Respiratory sensitisation – Category 1	
Skin Sens. 1: Skin sensitisation – Category 1	
Carc. 2: Carcinogenicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
STOT RE 2: Specific target organ toxicity (single exposure) – Category 2	
Asp. Tox. 1: Aspiration hazard – Category 1	
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3	
	GB