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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.04.2018

Version number 1

Revision: 16.04.2018

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

1.1 Product identifier Trade name <u>weberfoam PU</u>

Safety data sheet no.: XXP014615 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. Application of the substance / the mixture Construction chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Weber Co., Ltd. Gypsum Metropolitan Tower 14th Floor 539/2 Si-Ayutthaya Road Thanonphayathai, Ratchathewi Bangkok 10400 Thailand Tel: +662 245 8777 **1.4 Emergency telephone number:** Tel. 0 2202 4225-7

Tel. 0 2202 4225-7

SECTION 2: Hazards identification

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

GHS02	2 flame	
Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
GHS08	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 organs through prolonged or repeated exposure.
GHS05	5 corrosion	
Eye Dam. 1	H318	Causes serious eye damage. (Contd. on page 2)



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(Contd. of page 1) **GHS09** environment Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects. GHS07 Acute Tox. 4 H332 Harmful if inhaled. Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. STOT SE 3 H335 May cause respiratory irritation. H362 Lact. May cause harm to breast-fed children. 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Hazard pictograms GHS02 GHS05 GHS07 GHS08 GHS09 Signal word Danger Hazard-determining components of labelling: diphenylmethanediisocyanate, isomeres and homologues 2-benzofuran-1,3-dione; 2-(2-hydroxyethoxy)ethanol alkanes, C14-17, chloro diphenylmethane-4,4'-di-isocyanante Hazard statements H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. H332 Harmful if inhaled. H315 Causes skin irritation. H318 Causes serious eye damage. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer. H362 May cause harm to breast-fed children. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. **Precautionary statements** If medical advice is needed, have product container or label at hand. P101 (Contd. on page 3) - FUG



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P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P33	8 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
	lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local/regional/national/
	international regulations.
Additional inform	mation:
Contains isocyan	ates. May produce an allergic reaction.
2.3 Other hazard	ls

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with non hazardous additions.

CAS: 32472-85-8	2-benzofuran-1,3-dione; 2-(2-hydroxyethoxy)ethanol	10-20%
EC number: 608-744-3 Reg.nr.: 01-2119971583-29-xxxx	♦ Eye Dam. 1, H318	
CAS: 9016-87-9 EC number: 618-498-9	diphenylmethanediisocyanate,isomeres and homologues Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; () Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	10-20%
CAS: 111-46-6 EINECS: 203-872-2 Index number: 603-140-00-6 Reg.nr.: 01-2119457857-21-xxxx	2,2'-oxybisethanol Acute Tox. 4, H302	5-10%
CAS: 85535-85-9 EINECS: 287-477-0 Index number: 602-095-00-X Reg.nr.: 01-2119519269-33-xxxx	alkanes, C14-17, chloro Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Lact., H362	5-10%
CAS: 13674-84-5 EINECS: 237-158-7 Reg.nr.: 01-2119480419-30-xxxx	Tris(2-chloro-1-methylethyl) phosphate	5-10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	isobutane Flam. Gas 1, H220; Press. Gas C, H280	2-5%



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CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	(Contro of Flam. Gas 1, H220; Press. Gas C, H280	l. of page 3) 2-5%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37-xxxx	Dimethylether limethylether Flam. Gas 1, H220; Press. Gas C, H280	1-2%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane liquefied Flam. Gas 1, H220; Press. Gas C, H280	1-2%
CAS: 101-68-8 EINECS: 202-966-0 Index number: 615-005-00-9 Reg.nr.: 01-2119457014-47-xxxx	diphenylmethane-4,4'-di-isocyanante Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; () Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	1-2%
SVHC Void		

Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures **General information** Seek immediate medical advice Personal protection for the First Aider. After inhalation Call a doctor immediately. Take affected persons into fresh air and keep quiet. In case of unconsciousness place patient stably in side position for transportation. After skin contact Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor. After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Rinse liquid should be tempered (20-30°C). After swallowing If symptoms persist consult a doctor. 4.2 Most important symptoms and effects, both acute and delayed Dizziness Headache Coughing Breathing difficulty Allergic reactions (Contd. on page 5)

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4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

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. Sand For safety reasons unsuitable extinguishing agents Water with full jet 5.2 Special hazards arising from the substance or mixture In case of fire, the following can be released: Carbon monoxide (CO) Hydrogen chloride (HCI) Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrogen cyanide (HCN) Hydrogen fluoride (HF) 5.3 Advice for firefighters **Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit. Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources 6.2 Environmental precautions: 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: Ensure adequate ventilation. Pick up mechanically. Dispose of contaminated material as waste according to item 13. 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.

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	SECTION 7: Handling and storage
	7.1 Precautions for safe handling
	Ensure good ventilation/exhaustion at the workplace.
	Open and handle receptacle with care. Keep away from heat and direct sunlight.
	Information about fire - and explosion protection:
	Keep ignition sources away - Do not smoke.
	Protect against electrostatic charges.
	Protect from heat.
	Pressurized container: protect from sunlight and do not expose
	to temperatures exceeding 50°C, i.e. electric lights. Do not
	pierce or burn, even after use.
	7.2 Conditions for safe storage, including any incompatibilities
	Storage
	Requirements to be met by storerooms and receptacles:
1	Store in a cool location.
	Store only in unopened original receptacles. Insure sufficient ventilation for storage and work areas.
	Information about storage in one common storage facility:
	Store away from foodstuffs.
	Store away from flammable substances.
	Further information about storage conditions:
	Store in cool, dry conditions in well sealed receptacles.
	Store under lock and key and out of the reach of children.
	7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 25322-69-4 Propane-1,2-diol, propoxylated		
Oral	Derived No Effect Level	8.3 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	13.9 mg/kgxday (worker systemic long term value)
		8.3 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	98 mg/m ³ (worker systemic long term value)
		29 mg/m ³ (consumer systemic long term value)
		10 mg/m ³ (worker local long term value)
		10 mg/m ³ (consumer local long term value)

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CAS: 111	-46-6 2,2'-oxybisethano	
Dermal		43 mg/kgxday (worker systemic long term value)
		21 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	44 mg/m ³ (worker systemic long term value)
		12 mg/m ³ (consumer systemic long term value)
		60 mg/m ³ (worker local long term value)
		12 mg/m ³ (consumer local long term value)
CAS: 855	35-85-9 alkanes, C14-17	
Oral	Derived No Effect Level	0.58 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	47.9 mg/kgxday (worker systemic long term value)
		28.75 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	6.7 mg/m ³ (worker systemic long term value)
		2 mg/m ³ (consumer systemic long term value)
CAS: 136	74-84-5 Tris(2-chloro-1-	methylethyl) phosphate
Oral	Derived No Effect Level	0.52 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	2.08 mg/kgxday (worker systemic long term value)
		1.04 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	5.82 mg/m ³ (worker systemic long term value)
		1.46 mg/m ³ (consumer systemic long term value)
PNECs		<u></u>
CAS: 136	74-84-5 Tris(2-chloro-1-	methylethyl) phosphate
Predicted	No Effect Concentration	2.92 mg/kgxdwt (sediment distribution balance)
Predicted	No Effect Concentration	0.064 mg/l (sea water rating factor)
		0.42 mg/l (fresh water rating factor)
CAS No	D. Designation of mater	ial % Type Value Unit
	-10-6 Dimethylether	
		m value: 1920 mg/m³, 1000 ppm
		st) was used as the basis for the preparation and/or revision of
Personal General p The usual Keep awa Immediate Wash han	y from foodstuffs, bevera ely remove all soiled and ds before breaks and at	are to be adhered to when handling chemicals. Iges and feed. contaminated clothing. the end of work.
	tact with the eyes and ski ale gases / fumes / aeros	



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Do not eat, drink, smoke or sniff while working.

Use a moisturising skin cream after processing the product.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

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.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality 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.

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and che General Information	mical properties
Appearance:	
Form:	Aerosol
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Not applicable, as aerosol
Flash point:	Not applicable, as aerosol
Flammability (solid, gas):	Not applicable.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation o
	explosive
	air/vapour mixtures are possible.
Explosion limits:	
Lower:	1.5 Vol %
Upper:	18.6 Vol %
Oxidising properties	Not determined.
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Vapour pressure at 20 °C:	5,000 hPa
Density at 20 °C:	1.126 g/cm ³
Bulk density:	Not applicable.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Unsoluble
Segregation coefficient (n-octanol/w	ater) log
Pow:	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
Solvent separation test:	Not determined
Solvent content:	
EU-VOC	24.00 %
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 Stable at recommended storage conditions

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.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if inhaled. LD/LC50 values relevant for classification:

Components		Туре	Value	Species
CAS: 25	322-69-4	Propane-1,2-diol, pro	poxylated	d
Oral	LD50	>2,000 mg/kg (Rat)		
Dermal	LD50	>2,000 mg/kg (Rabb	oit)	
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Dermal	LD50	>2,000 mg/kg (Rat)
CAS: 901	6-87-9 dip	henylmethanediisocyanate, isomeres and homologues
Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	0.49 mg/l (Rat)
CAS: 111	-46-6 2,2'-	oxybisethanol
Oral	LD50	>16,500 mg/kg (Rat)
CAS: 855	35-85-9 al	kanes, C14-17, chloro
Oral	LD50	>4,000 mg/kg (Rat)
CAS: 136	74-84-5 Tı	ris(2-chloro-1-methylethyl) phosphate
Oral	LD50	>4,200 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
May cause May cause	e allergy o e an allerg cts (carcii I mutagen	n sensitisation r asthma symptoms or breathing difficulties if inhaled. ic skin reaction. nogenity, mutagenicity and toxicity for reproduction) icity Based on available data, the classification criteria are not met.
Germ cell Carcinog Suspected Reproduc May cause STOT-sin May cause	d of causin ctive toxic e harm to l gle expos	i ty breast-fed children. s ure ry irritation.

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Type of test Effective concentration Method Assessment

CAS: 9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

LC0/96h >1,000 mg/l (Fish)

EC50/24h >1,000 mg/l (Daphnia magna)

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	84-5 Tris(2-chloro-1-methylethyl) phosphate	
	51 mg/l (Fish)	
	131 mg/l (Daphnia magna)	
	33 mg/l (Algae)	
```	13 mg/l (Algae)	
	32 mg/l (Daphnia magna)	
12.3 Bioaccu Behaviour in 12.4 Mobility Ecotoxical e	ence and degradability Heavily biodegradable imulative potential No further relevant information available. environmental systems: in soil No further relevant information available. ffects: product contains substances which causes severe clouding in water	
	cological information:	
Do not allow Danger to driv ground.	product to reach ground water, water course or sewage system. nking water if even small quantities leak into the of PBT and vPvB assessment	
	of contain PBT substances.	
	not contain vPvB substances.	
12.6 Other ad	dverse effects No further relevant information available.	
SECTION	13: Disposal considerations	
Recommend		
allow product European wa	lisposed together with household garbage. Do not to reach sewage system. aste catalogue te code. The concrete waste code depends on the source of the waste.	
Uncleaned p Recommend	ackaging: lation: Disposal must be made according to official regulations.	

### **SECTION 14: Transport information**

14.1 UN-Number ADR, IMDG, IATA

UN1950

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ADR   1950 AEROSOLS, ENVIRONMENTALL HAZARDOUS     IMDG   AEROSOLS (alkanes, C14-17, chloro), MARIN POLLUTANT     IATA   AEROSOLS, flammable, containing substances Division 6.1, Packing Group III     14.3 Transport hazard class(es)     ADR     Impose		(Contd. of page 1
IMDG   HAZARDOUS     AEROSOLS (alkanes, C14-17, chloro), MARIN     POLLUTANT     IATA   AEROSOLS, flammable, containing substances     Division 6.1, Packing Group III     14.3 Transport hazard class(es)     ADR     ImDG     Itabel     2.1     ImDG     Imode     Imode <tr< th=""><th>14.2 UN proper shipping name ADR</th><th>1950 AEROSOLS. ENVIRONMENTALL</th></tr<>	14.2 UN proper shipping name ADR	1950 AEROSOLS. ENVIRONMENTALL
IATA   POLLUTANT AEROSOLS, flammable, containing substances i Division 6.1, Packing Group III     14.3 Transport hazard class(es)   Division 6.1, Packing Group III     ADR   Image: Class c		HAZARDOUS
IATA   AEROSOLS, flammable, containing substances in Division 6.1, Packing Group III     14.3 Transport hazard class(es)   ADR     ADR   Image: Class in the context in the cont	IMDG	
Division 6.1, Packing Group III     14.3 Transport hazard class(es)     ADR     Image: Class   2 5TF Gases.     Label   2.1     IMDG     Image: Class   2.1     Label   2.1     IMDG     Image: Class   2.1     Label   2.1     IATA   2.1     IAAP, IMDG, IATA   Void     14.5 Environmental hazards:   Product contains environmentally hazardou substances: alkanes, C14-17, chloro     Symbol (fish and tree)   Symbol (fish and tree)     Symbol (fish and tree)   Symbol (fish and tree)     14.6 Special precautions for user   Warning: Gases.     Danger code (Kemler):   -     EMS Number:   F-D,S-U     Stowage Category   B	ΙΔΤΔ	
ADR Class 2 5TF Gases. Label 2.1 IMDG Class 2.1 Label 2.1 IATA Class 2.1 IATA IATA Class 2.1 IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA IATA		
Class   2 5TF Gases.     Label   2.1     IMDG   2.1     IMDG   2.1     Class   2.1     Label   2.1     IATA   2.1     IAS Environmental hazards:   2.1     Symbol (fish and tree)   3/2     Symbol (fish and tree)   3/2     Symbol (fish and tree)   3/2     Stowage Category   B     Stowage Code   SW1 Protected from sources of heat.     SW22 For AEROSOLS with a maximum capacity of SW2 For AEROSOL	14.3 Transport hazard class(es)	
Label   2.1     IMDG   Impose     Impose   Impose     Class   2.1     Label   2.1     IATA   Impose     Impose   Impose     Class   2.1     Label   2.1     IATA   Impose     Impose   Impose     Class   2.1     Label   2.1     IATA   Void     14.4 Packing group   ADR, IMDG, IATA     Void   Void     14.5 Environmental hazards:   Product contains environmentally hazardou substances: alkanes, C14-17, chloro     Symbol (fish and tree)   Symbol (fish and tree)     14.6 Special precautions for user   Symbol (fish and tree)     14.6 Special precautions for user   Product contains environmentally hazardou substances: alkanes, C14-17, chloro     Stowage Category   B   Substances: alkanes, C14-17, chloro     Stowage Category   B   Stowage Code     Stowage Code   SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of the additional stree	ADR	
Label   2.1     IMDG   Impose     Impose   Impose     Class   2.1     Label   2.1     IATA   Impose     Impose   Impose     Class   2.1     Label   2.1     IATA   Impose     Impose   Impose     Class   2.1     Label   2.1     IATA   Void     14.4 Packing group   ADR, IMDG, IATA     ADR, IMDG, IATA   Void     14.5 Environmental hazards:   Product contains environmentally hazardou substances: alkanes, C14-17, chloro     Symbol (fish and tree)   Symbol (fish and tree)     14.6 Special precautions for user   Symbol (fish and tree)     14.6 Special precautions for user   Warning: Gases.     Danger code (Kemler):   -     EMS Number:   F-D,S-U     Stowage Category   B     Stowage Code   SW1 Protected from sources of heat.     SW22 For AEROSOLS with a maximum capacity of the and tree		
IMDG     Volt     Class   2.1     Label   2.1     IATA     Volt   2.1     IATA     Volt   2.1     IATA     Volt   2.1     IATA     Volt   2.1     IATA   Void     IA.4 Packing group   2.1     ADR, IMDG, IATA   Void     14.5 Environmental hazards:   Product contains environmentally hazardou substances: alkanes, C14-17, chloro     Symbol (fish and tree)   Symbol (fish and tree)     Special marking (ADR):   Symbol (fish and tree)     14.6 Special precautions for user   Warning: Gases.     Danger code (Kemler):   -     EMS Number:   F-D,S-U     Stowage Category   B     Stowage Code   SW1 Protected from sources of heat.     SW22 For AEROSOLS with a maximum capacity of the sources of heat.     SW22 For AEROSOLS with a maximum capacity of the sources of heat.	Class	
Class   2.1     Label   2.1     IATA   Void     I.4.4 Packing group   2.1     ADR, IMDG, IATA   Void     14.5 Environmental hazards:   Product contains environmentally hazardou substances: alkanes, C14-17, chloro     Symbol (fish and tree)   Symbol (fish and tree)     Special marking (ADR):   Symbol (fish and tree)     14.6 Special precautions for user   Warning: Gases.     Danger code (Kemler):   -     EMS Number:   F-D,S-U     Stowage Category   B     Stowage Code   SW1 Protected from sources of heat.     SW22 For AEROSOLS with a maximum capacity of	Label	2.1
Label   2.1     IATA   IATA     IATA   IATA     IATA   IATA     IATA   IATA     IATA   IATA     IATA   2.1     IAbel   2.1     14.4 Packing group   2.1     ADR, IMDG, IATA   Void     14.5 Environmental hazards:   Product contains environmentally hazardou substances: alkanes, C14-17, chloro     Marine pollutant:   Symbol (fish and tree)     Special marking (ADR):   Symbol (fish and tree)     14.6 Special precautions for user   Warning: Gases.     Danger code (Kemler):   -     EMS Number:   F-D,S-U     Stowage Category   B     Stowage Code   SW1 Protected from sources of heat.     SW22 For AEROSOLS with a maximum capacity of	IMDG	
Label   2.1     IATA   IATA     IATA   IATA     IATA   IATA     IATA   IATA     IATA   IATA     IATA   2.1     IAbel   2.1     14.4 Packing group   2.1     ADR, IMDG, IATA   Void     14.5 Environmental hazards:   Product contains environmentally hazardou substances: alkanes, C14-17, chloro     Marine pollutant:   Symbol (fish and tree)     Special marking (ADR):   Symbol (fish and tree)     14.6 Special precautions for user   Warning: Gases.     Danger code (Kemler):   -     EMS Number:   F-D,S-U     Stowage Category   B     Stowage Code   SW1 Protected from sources of heat.     SW22 For AEROSOLS with a maximum capacity of		
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SW22 For AEROSOLS with a maximum capacity of		,
	Stowage Code	



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Segregation Code	1 litre: Category A. For AEROSOLS with a capacit above 1 litre: Category B. For WASTE AEROSOLS Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. Fo AEROSOLS with a capacity above 1 litre Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
14.7 Transport in bulk according to Anne Marpol and the IBC Code	x II of Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ) Transport category Tunnel restriction code	120 ml Code: E0 Not permitted as Excepted Quantity 1 D
IMDG Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALL

### **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 cf. section 2

Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. Seveso category P3a FLAMMABLE AEROSOLS E2 Hazardous to the Aquatic Environment Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40, 56a

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⁻ EUG -



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#### **National regulations**

Other regulations, limitations and prohibitive regulations

BG-Merkblätter: M 044 "Polyurethane production/Isocyanates"

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**

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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.

H351 Suspected of causing cancer.

H362 May cause harm to breast-fed children.

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

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

## **Department issuing SDS:** Research & Development **Contact:**

Mrs. K. Locolas Tel: 06-32135043

#### Abbreviations and acronyms:

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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

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EUG



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(Contd. of page 14) Flam. Gas 1: Flammable gases - Category 1 Aerosol 1: Aerosols - Category 1 Press. Gas C: Gases under pressure - Compressed gas Acute Tox. 4: Acute toxicity - Category 4 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 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 Lact.: Reproductive toxicity - effects on or via lactation STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 * Data compared to the previous version altered. According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.