Printing date 09/11/2019

Reviewed on 06/28/2019

1 Identification

- · Product identifier
- · Trade name: 622C ADDITIVE MIXING GREEN
- · Article number: 622C
- · Details of the supplier of the safety data sheet
- Manufacturer/Supplier: General Paint Co. S.A.L. P.O. Box 7623 Beirut LEBANON info@generalpaint.biz
- Information department: Product Safety Department
 Emergency telephone number: 1-800-535-5053 contract number (89244)

2 Hazard(s) identification

· Classification of the substance or mixture

GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.

GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction. STOT SE 3 H336 May cause drowsiness or dizziness.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms



- · Signal word Warning
- Hazard-determining components of labeling: n-butyl acetate methyl methacrylate
 2,3-epoxypropyl neodecanoate
 2-hydroxyethyl methacrylate

(Contd. on page 2)

⁻ US

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Safety Data Sheet acc. to OSHA HCS

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(Contd. of page 1) · Hazard statements Flammable liquid and vapor. May cause an allergic skin reaction. May cause drowsiness or dizziness. · Precautionary statements Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use for extinction: CO2, powder or water spray. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · Classification system: · NFPA ratings (scale 0 - 4) Health = 0Fire = 3Reactivity = 0· HMIS-ratings (scale 0 - 4) HEALTH 0 Health = 03 FIRE Fire = 3REACTIVITY 0 Reactivity = 0· Other hazards · Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable.

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(Contd. of page 2)

>25-*≤*50%

>2.5-*≤*10%

>2.5-*≤*10%

>2.5-*≤*10%

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

• Dangerous components: 123-86-4 n-butyl acetate 1330-20-7 xylene 108-65-6 2-methoxy-1-methylethyl acetate 64742-95-6 Solvent naphtha (petroleum), light arom.

 80-62-6
 methyl methacrylate
 ≤2.5%

 26761-45-5
 2,3-epoxypropyl neodecanoate
 ≤2.5%

 868-77-9
 2-hydroxyethyl methacrylate
 ≤2.5%

4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · 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.
- · After swallowing: If symptoms persist consult doctor.
- 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 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • 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: No special measures required.

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(Contd. of page 3)

6 Acciden	tal release measures	
Wear prote Environme Methods a Absorb with Dispose co Ensure ade Reference See Sectio See Sectio See Sectio	Action Criteria for Chemicals Mathematical Sciences Provide the process of the provide the provide the procedures provide the process of the procedures of the procedures provide the process of the procedures of the procedures of the procedures of the procedures provide the process of the proceedures of the procedures of the procedures of the procedures of the procedures provide the process of the procedures of the pr	vdust).
· PAC-1:		
123-86-4	n-butyl acetate	5 ppm
1330-20-7	-	130 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
	methyl methacrylate	17 ppm
	2-hydroxyethyl methacrylate	1.9 mg/m ³
	methacrylic acid	6.7 ppm
77-58-7	dibutyltin dilaurate	1.1 mg/m ³
100-41-4	ethylbenzene	33 ppm
97-88-1	n-butyl methacrylate	19 mg/m ³
556-67-2	octamethylcyclotetrasiloxane	30 ppm
· PAC-2:		
123-86-4	n-butyl acetate	200 ppm
1330-20-7	-	920* ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
80-62-6	methyl methacrylate	120 ppm
868-77-9	2-hydroxyethyl methacrylate	21 mg/m ³
79-41-4	methacrylic acid	61 ppm
77-58-7	dibutyltin dilaurate	8 mg/m ³
100-41-4	ethylbenzene	1100* ppm
97-88-1	n-butyl methacrylate	210 mg/m ³
556-67-2	octamethylcyclotetrasiloxane	68 ppm
· PAC-3:		
	n-butyl acetate	3000* ppm
1330-20-7		2500* ppm
L	•	(Contd. on page 5)



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		(Contd. of page 4)
	2-methoxy-1-methylethyl acetate	5000* ppm
80-62-6	methyl methacrylate	570 ppm
868-77-9	2-hydroxyethyl methacrylate	1,000 mg/m³
	methacrylic acid	220 ppm
77-58-7	dibutyltin dilaurate	48 mg/m ³
100-41-4	ethylbenzene	1800* ppm
97-88-1	n-butyl methacrylate	1,300 mg/m ³
556-67-2	octamethylcyclotetrasiloxane	130 ppm

7 Handling and storage

· Handling:

- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- Information about protection against explosions and fires: 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: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- · Storage class: 3
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

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

- · Control parameters
- · Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

123-80	6-4 n-butyl acetate
PEL	Long-term value: 710 mg/m³, 150 ppm
REL	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm
TLV	Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm
	(Contd. on page 6)



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REL Long-term value: 410 mg/m³, 100 ppm TLV Short-term value: 410 mg/m³, 100 ppm Dog-term value: 205 mg/m³, 50 ppm DSEN Ingredients with biological limit values: 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment: General protective and hygienic measures: Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longe exposure use respiratory protective device that is independent of circulating air. Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.	1220 1	(Contd. of page 5
REL Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 150 ppm TLV Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI 108-65-6 2-methoxy-1-methylethyl acetate WEEL Long-term value: 50 ppm 80-62-6 methyl methacrylate PEL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm Long-term value: 410 mg/m³, 100 ppm DSEN Ingredients with biological limit values: 1330-20-7 xylene BEII ISEN Ingredients with biological limit values: 1330-20-7 xylene BEII ISEN Ingredients with biological limit values: 1330-20-7 xylene BEII ISEN RAdditional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment: General protective and hygienic measures: Immediately remove all solied and contaminated clothing. Wash hands before breaks and at the end of work. Breathing equipment: In cas		•
Long-term value: 435 mg/m³, 100 ppm Long-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI 108-65-6 2-methoxy-1-methylethyl acetate WEEL Long-term value: 50 ppm 80-62-6 methyl methacrylate PEL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm TLV Short-term value: 410 mg/m³, 100 ppm Long-term value: 410 mg/m³, 100 ppm DSEN Ingredients with biological limit values: 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment: General protective and hygienic measures: Immediately remove all solied and contaminated clothing. Wash hands before breaks and at the end of work. Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longe exposure use respiratory protective device that is independent of circulating air. 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		
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	The gl	Protective gloves ove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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 quality and varies from manufacturer to manufacturer. As the product is a preparation of several

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(Contd. of page 6) 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

General Information	
Appearance:	
Form:	Liquid
Color:	Green
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	124 °C (255.2 °F)
Flash point:	25 °C (77 °F)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	370 °C (698 °F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive ail vapor mixtures are possible.
Explosion limits:	
Lower:	1.2 Vol %
Upper:	7.5 Vol %
Vapor pressure at 20 °C (68 °F):	10.7 hPa (8 mm Hg)
Density at 20 °C (68 °F):	0.995 g/cm³ (8.30328 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.

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	(Contd.)	of page
· 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:	Not determined.	
· Solvent content:		
Organic solvents:	42.0 %	
Coating VOC content:	41.96 %	
C C	417.5 g/l / 3.48 lb/gal	
Material VOC content:	417.5 g/l / 3.48 lb/gal	
Solids content:	57.4 %	
• Other information	No further relevant information available.	

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · 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 tha	t are relevant for classification:
Dermal LD50 2,000 mg/kg (rabbit) 64742-95-6 Solvent naphtha (petroleum), light arom. Oral LD50 >6,800 mg/kg (rat) Dermal LD50 >3,400 mg/kg (rab) Inhalative LC50/4 h >10.2 mg/l (rat)	1330-20-7	' xylene	
64742-95-6 Solvent naphtha (petroleum), light arom. Oral LD50 >6,800 mg/kg (rat) Dermal LD50 >3,400 mg/kg (rab) Inhalative LC50/4 h >10.2 mg/l (rat)	Oral	LD50	4,300 mg/kg (rat)
Oral LD50 >6,800 mg/kg (rat) Dermal LD50 >3,400 mg/kg (rab) Inhalative LC50/4 h >10.2 mg/l (rat)	Dermal	LD50	2,000 mg/kg (rabbit)
Dermal LD50 >3,400 mg/kg (rab) Inhalative LC50/4 h >10.2 mg/l (rat)	64742-95-	6 Solvent	naphtha (petroleum), light arom.
Inhalative LC50/4 h >10.2 mg/l (rat) (Contd. on page 9	Oral	LD50	>6,800 mg/kg (rat)
(Contd. on page 9	Dermal	LD50	>3,400 mg/kg (rab)
	Inhalative	LC50/4 h	>10.2 mg/l (rat)
			(Contd. on page 9



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· Primary irritant effect:

• on the skin: No irritant effect.

· on the eye: No irritating effect.

- · Sensitization: Sensitization possible through skin contact.
- Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

J .		
· IARC (Inte	rnational Agency for Research on Cancer)	
1330-20-7	xylene	3
80-62-6	methyl methacrylate	3
100-41-4	ethylbenzene	2B
· NTP (Natio	onal Toxicology Program)	
None of the	e ingredients is listed.	
· OSHA-Ca	(Occupational Safety & Health Administration)	

None of the ingredients is listed.

12 Ecological information

· Toxicity

- · Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- · Behavior 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 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely 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.

(Contd. on page 10)

(Contd. of page 8)



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13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

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

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

LINE Neuropean		
· UN-Number · DOT, ADR, IMDG, IATA	UN1263	
· UN proper shipping name · DOT · ADR · IMDG, IATA	Paint 1263 PAINT PAINT	
· Transport hazard class(es)		
·DOT		
R MARTE ROP		
· Class · Label	3 Flammable liquids 3	
	J	
· ADR, IMDG, IATA		
· Class	3 Flammable liquids	
· Label	3	
· Packing group · DOT, ADR, IMDG, IATA	<i>III</i>	
 Environmental hazards: Marine pollutant: 	No	
 Special precautions for user EMS Number: 	Warning: Flammable liquids F-E,S-E	

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	(Contd. of page
Stowage Category	Α
<i>Transport in bulk according to Annex</i> <i>MARPOL73/78 and the IBC Code</i>	t II of Not applicable.
Transport/Additional information:	
DOT Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
ADR Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
IMDG 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
UN "Model Regulation":	UN 1263 PAINT, 3, III

15 Regulatory information

 \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot Sara

None of the	ingredients is listed.	
Section 31	3 (Specific toxic chemical listings):	
1330-20-7	xylene	
80-62-6	methyl methacrylate	
100-41-4	ethylbenzene	
TSCA (Tox	ic Substances Control Act):	
123-86-4	n-butyl acetate	ACTIVE
1330-20-7	xylene	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
80-62-6	methyl methacrylate	ACTIVE
26761-45-5	2,3-epoxypropyl neodecanoate	ACTIVE
000 77 0	2-hydroxyethyl methacrylate	ACTIVE
868-77-9		ACTIVE
	methacrylic acid	/ 10///12



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136-53-8	Cont	td. of page 1
	ethylbenzene	ACTIVE
	n-butyl methacrylate	ACTIVE
	Solvent naphtha (petroleum), medium aliph.	ACTIVE
	octamethylcyclotetrasiloxane	ACTIVE
	Air Pollutants	
1330-20-7		
	methyl methacrylate	
	ethylbenzene	
· Propositio	•	
· Chemicals	known to cause cancer:	
100-41-4 e	thylbenzene	
· Chemicals	known to cause reproductive toxicity for females:	
None of the	ingredients is listed.	
· Chemicals	known to cause reproductive toxicity for males:	
None of the	ingredients is listed.	
· Chemicals	known to cause developmental toxicity:	
None of the	ingredients is listed.	
· Carcinoge	nic categories	
-	ronmental Protection Agency)	
1330-20-7	e 1 /	1
	methyl methacrylate	E, N
	ethylbenzene	D
· TLV (Thres	hold Limit Value established by ACGIH)	
· TLV (Thres 1330-20-7	shold Limit Value established by ACGIH) xylene	A
1330-20-7	• •	A A
1330-20-7 80-62-6	xylene	
1330-20-7 80-62-6 77-58-7	xylene methyl methacrylate	A
1330-20-7 80-62-6 77-58-7 100-41-4	xylene methyl methacrylate dibutyltin dilaurate	A A
1330-20-7 80-62-6 77-58-7 100-41-4 • NIOSH-Ca	xylene methyl methacrylate dibutyltin dilaurate ethylbenzene	A A



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Safety Data Sheet acc. to OSHA HCS

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(Contd. of page 12) · Hazard pictograms GHS02 GHS07 · Signal word Warning · Hazard-determining components of labeling: n-butyl acetate methyl methacrylate 2,3-epoxypropyl neodecanoate 2-hydroxyethyl methacrylate · Hazard statements Flammable liquid and vapor. May cause an allergic skin reaction. May cause drowsiness or dizziness. · Precautionary statements Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use for extinction: CO2, powder or water spray. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

6 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.

· Department issuing SDS: Product safety department

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US

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Operator of AV/A	(Contd. of page 13)
Contact: N/A	
Date of preparation / last revision 09/11/2019 / -	
Abbreviations and acronyms:	
RID: Règlement international concernant le transport des marchandises dangereuses par o the International Transport of Dangerous Goods by Rail)	chemin de fer (Regulations Concerning
ICAO: International Civil Aviation Organisation	
ADR: Accord européen sur le transport des marchandises dangereuses par Route (l International Carriage of Dangerous Goods by Road)	European Agreement concerning the
IMDG: International Maritime Code for Dangerous Goods	
DOT: US Department of Transportation	
IATA: International Air Transport Association	
ACGIH: American Conference of Governmental Industrial Hygienists	
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)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	
VOC: Volatile Organic Compounds (USA, EU)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
NIOSH: National Institute for Occupational Safety	
OSHA: Occupational Safety & Health	
TLV: Threshold Limit Value	
PEL: Permissible Exposure Limit	
REL: Recommended Exposure Limit	
BEI: Biological Exposure Limit	
Flam. Liq. 3: Flammable liquids – Category 3	
Skin Sens. 1: Skin sensitisation – Category 1	
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
	U



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