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Reviewed on 12/05/2017

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## **1** Identification

- · Product identifier
- · Trade name: GTP210LG 2K URETHANE SEALER LIGHT GRAY
- Details of the supplier of the safety data sheet
   Manufacturer/Supplier:
   Lusid Technologies
   5195 West 4700 South
   KEARNS, UT 84118
   USA

www.lusid.biz

- Information department: Product safety department
   Emergency telephone number: 24 Hrs Emergency Contact:
- INFOTRAC 1-800-535-5053

## 2 Hazard(s) identification

· Classification of the substance or mixture

GH:

GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

GHS07

Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2A H319 Causes serious eye irritation.

· Label elements

· GHS label elements

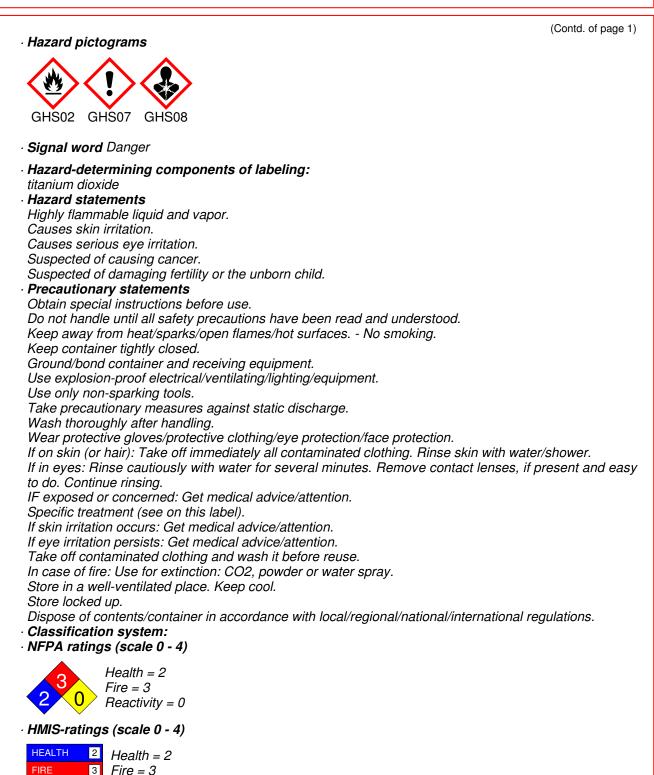
The product is classified and labeled according to the Globally Harmonized System (GHS).

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• Other hazards

· Results of PBT and vPvB assessment

Reactivity = 0

· **PBT:** Not applicable.

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· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

#### · Chemical characterization: Mixtures

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

#### · Dangerous components:

Dangerous	omponents.	
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	10-25%
67-64-1	acetone	10-25%
1330-20-7	*	2.5-10%
13463-67-7	titanium dioxide	2.5-10%
	barium sulphate, natural	2.5-10%
112926-00-8	Precipitated silica (Silica-Amorphous)	<i>≤</i> 2.5%
1332-58-7	Kaolin	<i>≤</i> 2.5%
	ethylbenzene	<i>≤</i> 2.5%
108-88-3	toluene	<i>≤</i> 2.5%
112926-00-8 1332-58-7	Precipitated silica (Silica-Amorphous) Kaolin ethylbenzene	≤2.59 ≤2.59 ≤2.59

### 4 First-aid measures

- · Description of first aid measures
- After inhalation: 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.
- 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.

## 6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures* Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: 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).

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Ensure adequent Reference to See Section See Section See Section	aminated material as waste according to item 13. uate ventilation. <b>5 other sections</b> 7 for information on safe handling. 8 for information on personal protection equipment. 13 for disposal information. <b>ction Criteria for Chemicals</b>	(Contd. of page 3)
· PAC-1:		
67-64-1	acetone	200 ppm
1330-20-7	xylene	130 ppm
13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
7727-43-7	barium sulphate, natural	15 mg/m³
112926-00-8	Precipitated silica (Silica-Amorphous)	18 mg/m³
100-41-4	ethylbenzene	33 ppm
108-88-3	toluene	67 ppm
77-58-7	dibutyltin dilaurate	1.1 mg/m³
1333-86-4	Carbon black	9 mg/m³
14808-60-7	Quartz (SiO2)	0.075 mg/m³
57-55-6	Methyl glycol	30 mg/m³
78-83-1	butanol	150 ppm
· PAC-2:		
67-64-1	acetone	3200* ppm
1330-20-7		920* ppm
	titanium dioxide	330 mg/m <sup>3</sup>
	barium sulphate, natural	170 mg/m <sup>3</sup>
	Precipitated silica (Silica-Amorphous)	200 mg/m <sup>3</sup>
	ethylbenzene	1100* ppm
108-88-3	-	560 ppm
	dibutyltin dilaurate	8 mg/m <sup>3</sup>
	Carbon black	99 mg/m <sup>3</sup>
	Quartz (SiO2)	33 mg/m <sup>3</sup>
	Methyl glycol	1,300 mg/m <sup>3</sup>
	butanol	1,300 ppm
PAC-3:		.,
	acetone	5700* ppm
1330-20-7		2500* ppm
	titanium dioxide	2,000 mg/m <sup>3</sup>
	barium sulphate, natural	990 mg/m <sup>3</sup>
	Precipitated silica (Silica-Amorphous)	1,200 mg/m <sup>3</sup>
	ethylbenzene	1800* ppm
108-88-3	-	3700* ppm
	dibutyltin dilaurate	48 mg/m <sup>3</sup>
	Carbon black	590 mg/m <sup>3</sup>
	Quartz (SiO2)	200 mg/m <sup>3</sup>
	Methyl glycol	7,900 mg/m <sup>3</sup>
57-55-0		7,300 mg/m²

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78-83-1 butanol

(Contd. of page 4) 8000\* ppm

### 7 Handling and storage

- · Handling:
- · Precautions for safe handling No special precautions are necessary if used correctly.
- · 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: Store in a cool location.
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:
- Keep receptacle tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.

· 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.

#### 67-64-1 acetone

PEL	Long-term value: 2400 mg/n	n <sup>3</sup> . 1000 maa

REL Long-term value: 590 mg/m<sup>3</sup>, 250 ppm

TLV Short-term value: 1187 mg/m<sup>3</sup>, 500 ppm Long-term value: 594 mg/m<sup>3</sup>, 250 ppm BEI

#### 1330-20-7 xylene

- PEL Long-term value: 435 mg/m<sup>3</sup>, 100 ppm
- REL Short-term value: 655 mg/m<sup>3</sup>, 150 ppm Long-term value: 435 mg/m<sup>3</sup>, 100 ppm
- TLV Short-term value: 651 mg/m<sup>3</sup>, 150 ppm Long-term value: 434 mg/m<sup>3</sup>, 100 ppm BEI

### 7727-43-7 barium sulphate, natural

- PEL Long-term value: 15\* 5\*\* mg/m<sup>3</sup> \*total dust \*\*respirable fraction
- REL Long-term value: 10\* 5\*\* mg/m<sup>3</sup>
  - \*total dust \*\*respirable fraction
- TLV Long-term value: 5\* mg/m<sup>3</sup> \*inhalable fraction; E

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1120	(Contd. of p 26-00-8 Precipitated silica (Silica-Amorphous)
	20mppcf or 80mg/m3 /%SiO2
	Long-term value: 6 mg/m <sup>3</sup>
NEL	See Pocket Guide App. C
τıv	TLV withdrawn
	P-58-7 Kaolin
	Long-term value: 15* 5** mg/m <sup>3</sup>
FEL	*total dust **respirable fraction
REI	Long-term value: 10* 5** mg/m <sup>3</sup>
1166	*total dust **respirable fraction
TI V	Long-term value: 2* mg/m <sup>3</sup>
120	E; as respirable fraction
100-	41-4 ethylbenzene
	Long-term value: 435 mg/m³, 100 ppm
	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm
	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 87 mg/m <sup>3</sup> , 20 ppm
	BEI
108-	88-3 toluene
PEL	Long-term value: 200 ppm
	Ceiling limit value: 300; 500* ppm
	*10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 75 mg/m³, 20 ppm BEI
Ingr	edients with biological limit values:
67-6	4-1 acetone
	50 mg/L
	Medium: urine
	Time: end of shift Parameter: Acetone (nonspecific)
	-20-7 xylene
	•
	1.5 g/g creatinine Medium: urine
	Time: end of shift
	Parameter: Methylhippuric acids
100-	41-4 ethylbenzene
BEI	0.7 g/g creatinine
	Medium: urine
	Time: end of shift at end of workweek
	Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
	- Medium: end-exhaled air
	Time: not critical
	Parameter: Ethyl benzene (semi-quantitative)
	(Contd. on p

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	(Contd. of
108-88-3 toluene	
BEI 0.02 mg/L	
Medium: blood	
Time: prior to last shift of workweek	
Parameter: Toluene	
0.03 mg/L	
Medium: urine	
Time: end of shift	
Parameter: Toluene	
0.3 mg/g creatinine	
Medium: urine	
Time: end of shift	
Parameter: o-Cresol with hydrolysis (background)	
Additional information: The lists that were valid during the creation were used a	as basis.
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.
- · Breathing equipment: Not required.

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 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.

#### 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

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Information on basic physical and ch	nemical properties
General Information Appearance:	
Form:	Liquid
Color:	Light grey
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined (pH N/A in solvent coatings)
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55 °C (131 °F)
Flash point:	-17 °C (1.4 °F)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	465 ℃ (869 F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air vapor mixtures are possible.
Explosion limits:	
Lower:	2.6 Vol %
Upper:	13 Vol %
Vapor pressure at 20 °C (68 °F):	233 hPa (174.8 mm Hg)
Density at 20 ℃ (68 °F):	1.38 g/cm³ (11.516 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water	
Viscosity:	, Not determined.
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	23.3 %
VOC content:	10.12 %
	149.1 g/l / 1.24 lb/gl
Solids content:	51.3 %
Other information	No further relevant information available.

## 10 Stability and reactivity

· Reactivity No further relevant information available.

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· 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 that are relevant for classification:

#### 1330-20-7 xylene

Oral LD50 4,300 mg/kg (rat)

Dermal LD50 2,000 mg/kg (rabbit)

- · Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- · on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

<u> </u>		
· IARC (Intern	ational Agency for Research on Cancer)	
14807-96-6	Talc (Mg3H2(SiO3)4)	3
1330-20-7	xylene	3
13463-67-7	titanium dioxide	2B
112926-00-8	Precipitated silica (Silica-Amorphous)	3
100-41-4	ethylbenzene	2B
108-88-3	toluene	3
1333-86-4	Carbon black	2B
14808-60-7	Quartz (SiO2)	1
· NTP (Nationa	al Toxicology Program)	
14808-60-7 (	Quartz (SiO2)	K
· OSHA-Ca (O	ccupational Safety & Health Administration)	
None of the ir	ngredients 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.

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#### · Additional ecological information:

· General notes:

Water hazard class 2 (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.

## 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.

UN-Number DOT, IMDG, IATA	UN1263	
	0141200	
UN proper shipping name DOT	Paint	
IMDG, IATA	PAINT	
Transport hazard class(es)		
DOT		
RAMABE LOOD		
Class	3 Flammable liquids	
Label	3	
IMDG, IATA		
Class	3 Flammable liquids	
Label	3	
Packing group		
DOT, IMDG, IATA		
Environmental hazards: Marine pollutant:	No	
Special precautions for user	Warning: Flammable liquids	

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<ul> <li>Danger code (Kemler):</li> <li>EMS Number:</li> <li>Stowage Category</li> </ul>	33 F-E, <u>S-E</u> B
<ul> <li>Transport in bulk according to Annex MARPOL73/78 and the IBC Code</li> </ul>	<b>II of</b> Not applicable.
· Transport/Additional information:	
• DOT • Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
<ul> <li>IMDG</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> </ul>	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, II

## 15 Regulatory information

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

	e ingredients is listed.
	3 (Specific toxic chemical listings):
1330-20-7	
7727-43-7	barium sulphate, natural
100-41-4	ethylbenzene
108-88-3	toluene
TSCA (Tox	ic Substances Control Act):
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
14807-96-6	Talc (Mg3H2(SiO3)4)
67-64-1	acetone
1330-20-7	' xylene
13463-67-7	titanium dioxide
7727-43-7	barium sulphate, natural
1332-58-7	' Kaolin
100-41-4	ethylbenzene
108-88-3	toluene
77-58-7	dibutyltin dilaurate
8002-74-2	Paraffin waxes and Hydrocarbon waxes
1333-86-4	Carbon black
14808-60-7	Quartz (SiO2)
57-55-6	Methyl glycol
78-83-1	butanol

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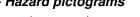
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TSCA DOW	(21st Century Act) (Substances not listed)	(Contd. of page 1
	Precipitated silica (Silica-Amorphous)	
Proposition		
Chemicals	known to cause cancer:	
13463-67-7	titanium dioxide	
100-41-4	ethylbenzene	
1333-86-4	Carbon black	
14808-60-7	Quartz (SiO2)	
	known to cause reproductive toxicity for femal	les:
None of the	ingredients is listed.	
Chemicals	known to cause reproductive toxicity for males	s:
None of the	ingredients is listed.	
Chemicals	known to cause developmental toxicity:	
108-88-3 to	luene	
Carcinoger	ic categories	
-	onmental Protection Agency)	
67-64-1	<b>e 1</b>	1
1330-20-7	kylene	1
	barium sulphate, natural D, CBD(inh), N	
100-41-4	ethylbenzene	D
108-88-3 t	oluene	11
TLV (Thres	hold Limit Value established by ACGIH)	
•	Talc (Mg3H2(SiO3)4)	
	acetone	A
1330-20-7	xylene	A
13463-67-7	titanium dioxide	A
1332-58-7	Kaolin	A
100-41-4	ethylbenzene	A
108-88-3	toluene	A
77-58-7	dibutyltin dilaurate	A
1333-86-4	Carbon black	A
14808-60-7	Quartz (SiO2)	A
NIOSH-Ca (	National Institute for Occupational Safety and	Health)
13463-67-7	titanium dioxide	
10400-07-7		
	Carbon black	

#### GHS label elements

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





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(Contd. of page 12) · Signal word Danger · Hazard-determining components of labeling: titanium dioxide · Hazard statements Highly flammable liquid and vapor. Causes skin irritation. Causes serious eve irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. 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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use for extinction: CO2, powder or water spray. 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.

### 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.

- · Department issuing SDS: Environment protection department.
- · Contact: Product Safety Dept.
- · Date of preparation / last revision 12/05/2017 / 2
- 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 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

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#### Trade name: GTP210LG 2K URETHANE SEALER LIGHT GRAY

(Contd. of page 13) 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. 2: Flammable liquids – Category 2 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A Carc. 2: Carcinogenicity – Category 2 Repr. 2: Reproductive toxicity – Category 2 \* \* Data compared to the previous version altered.