Printing date 09/11/2019

Reviewed on 07/01/2019

## 1 Identification

- · Product identifier
- · Trade name: H2232 2K HARDENER NORMAL
- · Article number: H2232
- · 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	n of the subs	tance or mixture
с С С С С С С С С С С С С С С С С С С С	602 Flame	
Flam. Liq. 3	H226	Flammable liquid and vapor.
<b>GHS</b> GHS	508 Health ha	zard
Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2	H351	Suspected of causing cancer.
Acute Tox. 4	607 H332	Harmful if inhaled.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
Label elemen	nts	



Page 1/15

Printing date 09/11/2019

Reviewed on 07/01/2019

#### Trade name: H2232 2K HARDENER NORMAL

(Contd. of page 1) · Hazard pictograms GHS02 GHS07 GHS08 · Signal word Danger · Hazard-determining components of labeling: Homopolymer of hexamethylene diisocyanate Isophorone Diisocyanate homopolymer Solvent naphtha (petroleum), light arom. n-butyl acetate · Hazard statements Flammable liquid and vapor. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness or dizziness. 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. 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 Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. [In case of inadequate ventilation] wear respiratory 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. 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. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If eve irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center/doctor. In case of fire: Use for extinction: CO2, powder or water spray. (Contd. on page 3)



Page 2/15

Printing date 09/11/2019

#### Reviewed on 07/01/2019

#### Trade name: H2232 2K HARDENER NORMAL

(Contd. of page 2) 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)



Fire = 3Reactivity = 0

· HMIS-ratings (scale 0 - 4)

HEALTH <sup>\*2</sup> Health = \*2 FIRE 3 Fire = 3Reactivity = 0REACTIVITY 0

- · Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

## Composition/information on ingredients

· Chemical characterization: Mixtures

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

· Dangerous components:			
28182-81-2	Homopolymer of hexamethylene diisocyanate >25-≤509		
123-86-4	n-butyl acetate >25-≤50%		
53880-05-0	Isophorone Diisocyanate homopolymer >10-≤25%		
64742-95-6	Solvent naphtha (petroleum), light arom. >2.5-≤109		
108-65-6	2-methoxy-1-methylethyl acetate >2.5-≤10%		
1330-20-7	7 xylene >2.5-≤10%		
100-41-4	ethylbenzene	<i>≤</i> 2.5%	

#### 4 First-aid measures

#### · 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.

(Contd. on page 4)



US



Page 3/15

Page 4/15

(Contd. of page 3)

## Safety Data Sheet acc. to OSHA HCS

Printing date 09/11/2019

Reviewed on 07/01/2019

### Trade name: H2232 2K HARDENER NORMAL

#### · After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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: Mouth respiratory protective device.

## 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).
- Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- Reference to other sections
   See Section 7 for information on safe handling.
   See Section 8 for information on personal protection equipment.
   See Section 13 for disposal information.
- · Protective Action Criteria for Chemicals

· PAC-1:		
28182-81-2	Homopolymer of hexamethylene diisocyanate	7.8 mg/m³
123-86-4	n-butyl acetate	5 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
1330-20-7	xylene	130 ppm
	(Cc	ontd. on page 5)

*Printing date 09/11/2019* 

Reviewed on 07/01/2019

#### Trade name: H2232 2K HARDENER NORMAL

		(Contd. of page 4)
100-41-4	ethylbenzene	33 ppm
822-06-0	hexamethylene-di-isocyanate	0.018 ppm
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0.02 ppm
· PAC-2:		
28182-81-2	Homopolymer of hexamethylene diisocyanate	86 mg/m³
123-86-4	n-butyl acetate	200 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
1330-20-7	xylene	920* ppm
100-41-4	ethylbenzene	1100* ppm
822-06-0	hexamethylene-di-isocyanate	0.2 ppm
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0.14 ppm
· PAC-3:		
28182-81-2	Homopolymer of hexamethylene diisocyanate	510 mg/m³
123-86-4	n-butyl acetate	3000* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
1330-20-7	xylene	2500* ppm
100-41-4	ethylbenzene	1800* ppm
822-06-0	hexamethylene-di-isocyanate	3 ppm
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0.6 ppm

## 7 Handling and storage

- · Handling:
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
   Protect against electrostatic charges.
   Keep respiratory protective device available.
- · 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.

(Contd. on page 6)

US



Page 5/15

Printing date 09/11/2019

Reviewed on 07/01/2019

#### Trade name: H2232 2K HARDENER NORMAL

(Contd. of page 5)

	sure controls/personal protection onal information about design of technical systems: No further data; see item 7.
· <b>Comp</b> The fo recom	of parameters onents with limit values that require monitoring at the workplace: Ilowing constituents are the only constituents of the product which have a PEL, TLV or other mended exposure limit. time, the other constituents have no known exposure limits.
123-86	β-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
108-65	-6 2-methoxy-1-methylethyl acetate
WEEL	Long-term value: 50 ppm
1330-2	20-7 xylene
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI
100-41	-4 ethylbenzene
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Long-term value: 87 mg/m³, 20 ppm BEI
· Ingred	lients with biological limit values:
-	20-7 xylene
BEI 1. M Ti	5 g/g creatinine ledium: urine ime: end of shift arameter: Methylhippuric acids
	(Contd. on page 7)
	US



CENERAL

Page 6/15

Printing date 09/11/2019

Reviewed on 07/01/2019

### Trade name: H2232 2K HARDENER NORMAL

	(Contd. of page 6)
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)
· Add	<b>litional information:</b> The lists that were valid during the creation were used as basis.
· Ger Kee Imn Wa Sto Avo • Bre In c exp	sonal protective equipment: meral protective and hygienic measures: p away from foodstuffs, beverages and feed. mediately remove all soiled and contaminated clothing. sh hands before breaks and at the end of work. re protective clothing separately. id contact with the eyes and skin. athing equipment: ase of brief exposure or low pollution use respiratory filter device. In case of intensive or longer osure use respiratory protective device that is independent of circulating air. tection of hands:
The	Protective gloves
Due prej Sel deg	glove material has to be impermeable and resistant to the product/ the substance/ the preparation. to missing tests no recommendation to the glove material can be given for the product/ the paration/ the chemical mixture. ection of the glove material on consideration of the penetration times, rates of diffusion and the radation rerial of gloves
The qua sub be o • <b>Per</b> The	errar of gloves selection of the suitable gloves does not only depend on the material, but also on further marks of lity and varies from manufacturer to manufacturer. As the product is a preparation of several stances, the resistance of the glove material can not be calculated in advance and has therefore to checked prior to the application. <b>Tetration time of glove material</b> exact break through time has to be found out by the manufacturer of the protective gloves and has e observed.

(Contd. on page 8)

Page 7/15



Printing date 09/11/2019

Reviewed on 07/01/2019

### Trade name: H2232 2K HARDENER NORMAL

· Eye protection:

Tightly sealed goggles

## 9 Physical and chemical properties

General Information Appearance:	
Form:	Fluid
Color:	Clear
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):	1.02848 g/cm³ (8.58267 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/wat	er): Not determined.

Page 8/15

(Contd. of page 7)



Printing date 09/11/2019

Reviewed on 07/01/2019

#### Trade name: H2232 2K HARDENER NORMAL

		(Contd. of page 8
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Organic solvents:	47.1 %	
Coating VOC content:	47.07 %	
5	484.1 g/l / 4.04 lb/gal	
Material VOC content:	484.1 g/l / 4.04 lb/gal	
Solids content:	52.9 %	
• 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	s that are relevant fo	or classification:
------------------	------------------------	--------------------

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)

#### · Primary irritant effect:

- on the skin: Irritant to skin and mucous membranes.
- · on the eye: Irritating effect.
- Sensitization: Sensitization possible through inhalation.
- · Additional toxicological information:

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

Harmful

Irritant

(Contd. on page 10)





Printing date 09/11/2019

Reviewed on 07/01/2019

#### Trade name: H2232 2K HARDENER NORMAL

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

1330-20-7 xylene

100-41-4 ethylbenzene

### · NTP (National Toxicology Program)

None of the 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 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.

(Contd. on page 11)



(Contd. of page 9)

3

2B

Page 10/15

Printing date 09/11/2019

Reviewed on 07/01/2019

#### Trade name: H2232 2K HARDENER NORMAL

(Contd. of page 10)

UN-Number DOT, ADR, IMDG, IATA	UN1263
	011/205
UN proper shipping name DOT	Paint
ADR	1263 PAINT
IMDG, IATA	PAINT
Transport hazard class(es)	
DOT	
Class	3 Flammable liquids
Label	3
ADR, IMDG, IATA	
Class	3 Flammable liquids
Label	3
Packing group DOT, ADR, IMDG, IATA	III
Environmental hazards:	iii
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids
Danger code (Kemler):	30
EMS Number:	F-E, <u>S-E</u>
Stowage Category	A
Transport in bulk according to Annex II MARPOL73/78 and the IBC Code	of Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L



Page 11/15

Printing date 09/11/2019

Reviewed on 07/01/2019

Page 12/15

#### Trade name: H2232 2K HARDENER NORMAL

(Contd. of page 1
Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
5L
Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
UN 1263 PAINT, 3, III

## 15 Regulatory information

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

4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	
Section 31	3 (Specific toxic chemical listings):	
1330-20-7	xylene	
100-41-4	ethylbenzene	
822-06-0	hexamethylene-di-isocyanate	
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	
TSCA (Tox	ic Substances Control Act):	
28182-81-2	Homopolymer of hexamethylene diisocyanate	ACTIVI
123-86-4	n-butyl acetate	ACTIVI
53880-05-0	Isophorone Diisocyanate homopolymer	ACTIVI
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
1330-20-7	xylene	ACTIVE
100-41-4	ethylbenzene	ACTIVI
822-06-0	hexamethylene-di-isocyanate	ACTIVI
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	ACTIV
Hazardous	Air Pollutants	
1330-20-7	xylene	
100-41-4	ethylbenzene	
822-06-0	hexamethylene-di-isocyanate	



1 |

Printing date 09/11/2019

Reviewed on 07/01/2019

Page 13/15

(Contd. of page 12)

#### Trade name: H2232 2K HARDENER NORMAL

#### · Proposition 65

#### · Chemicals known to cause cancer:

100-41-4 ethylbenzene

· 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.

· Carcinogenic categories

· EPA (Environmental Protection Agency)			
1330-20-7	xylene	1	
100-41-4	ethylbenzene	D	
· TLV (Threshold Limit Value established by ACGIH)			
1330-20-7	xylene	A4	
100-41-4	ethylbenzene	A3	
· NIOSH-Ca (National Institute for Occupational Safety and Health)			

None of the ingredients is listed.

· GHS label elements

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



· Signal word Danger

Hazard-determining components of labeling: Homopolymer of hexamethylene diisocyanate Isophorone Diisocyanate homopolymer Solvent naphtha (petroleum), light arom. n-butyl acetate
Hazard statements Flammable liquid and vapor. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness or dizziness.



Page 14/15

## Safety Data Sheet acc. to OSHA HCS

*Printing date 09/11/2019* 

Reviewed on 07/01/2019

#### Trade name: H2232 2K HARDENER NORMAL

(Contd. of page 13) 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. 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 Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. [In case of inadequate ventilation] wear respiratory 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. 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. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center/doctor. 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.

#### 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: Product safety department
- · Contact: N/A
- · Date of preparation / last revision 09/11/2019 / -
- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

(Contd. on page 15)

US

Printing date 09/11/2019

#### Reviewed on 07/01/2019

#### Trade name: H2232 2K HARDENER NORMAL

(Contd. of page 14) 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, ÉU) 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 Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Resp. Sens. 1: Respiratory sensitisation – Category 1 Carc. 2: Carcinogenicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3



Page 15/15

US -