

Page 1/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024

Reviewed on 07/29/2024

1 Identification

- · Product identifier
- · Trade name: 633 2K MEDIUM YELLOW
- · Article number: 633
- · Application of the substance / the mixture refer to the relevant Technical Data Sheet
- · 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

Flammable Liquids 3

H226 Flammable liquid and vapor.



GHS07

Sensitization - Skin 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure 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





GHS02 GHS07

- · Signal word Warning
- · Hazard-determining components of labeling: n-butyl acetate

(Contd. on page 2)



Page 2/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

(Contd. of page 1)

methyl methacrylate

2,3-epoxypropyl neodecanoate

· 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 CO2, powder or water spray to extinguish.

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 = 0 Fire = 3 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0 Fire = 3Reactivity = 0

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

(Contd. on page 3)



Page 3/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

(Contd. of page 2)

· **vPvB:** Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous	components:	
	n-butyl acetate	>25- <i>≤</i> 50%
1330-20-7		>2.5-≤10%
	2-Heptanone	>2.5-≤10%
64742-95-6	Solvent naphtha (petroleum), light arom.	<i>≤</i> 2.5%
123-54-6	pentane-2,4-dione	<i>≤</i> 2.5%
80-62-6	methyl methacrylate	<i>≤</i> 2.5%
26761-45-5	2,3-epoxypropyl neodecanoate	<i>≤</i> 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.

(Contd. on page 4)





Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

(Contd. of page 3)

- · 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).

Dispose contaminated material as waste according to section 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

123-86-4	n-butyl acetate	5 ppm
1330-20-7	xylene	130 ppm
110-43-0	2-Heptanone	150 ppm
123-54-6	pentane-2,4-dione	75 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
67-64-1	acetone	200 ppm
75-65-0	2-methylpropan-2-ol	150 ppm
80-62-6	methyl methacrylate	17 ppm
57-55-6	Propylene glycol	30 mg/m
7664-38-2	phosphoric acid	3 mg/m³
100-41-4	ethylbenzene	33 ppm
79-41-4	methacrylic acid	6.7 ppm
868-77-9	2-hydroxyethyl methacrylate	1.9 mg/n
77-58-7	dibutyltin dilaurate	1.1 mg/n
280-57-9	triethylenediamine	5.1 mg/n
122-99-6	2-phenoxyethanol	1.5 ppm
872-50-4	N-methyl-2-pyrrolidone	30 ppm
70657-70-4	2-methoxypropyl acetate	50 ppm
78-83-1	butanol	150 ppm
7447-41-8	lithium chloride	2.3 mg/n

US





Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

556-67-2	octamethylcyclotetrasiloxane	(Contd. of page 30 ppm
PAC-2:		1
123-86-4	n-butyl acetate	200 ppm
1330-20-7	xylene	920* ppm
110-43-0	2-Heptanone	670 ppm
123-54-6	pentane-2,4-dione	110 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
67-64-1	acetone	3200* ppm
75-65-0	2-methylpropan-2-ol	1,300 ppm
80-62-6	methyl methacrylate	120 ppm
<i>57-55-</i> 6	Propylene glycol	1,300 mg/m
7664-38-2	phosphoric acid	30 mg/m³
100-41-4	ethylbenzene	1100* ppm
79-41-4	methacrylic acid	61 ppm
868-77-9	2-hydroxyethyl methacrylate	21 mg/m³
77-58-7	dibutyltin dilaurate	8 mg/m³
280-57-9	triethylenediamine	56 mg/m³
122-99-6	2-phenoxyethanol	16 ppm
872-50-4	N-methyl-2-pyrrolidone	32 ppm
70657-70-4	2-methoxypropyl acetate	1,000 ppm
78-83-1	butanol	1,300 ppm
7447-41-8	lithium chloride	17 mg/m3
556-67-2	octamethylcyclotetrasiloxane	68 ppm
PAC-3:		
123-86-4	n-butyl acetate	3000* ppm
1330-20-7	- -	2500* ppm
	2-Heptanone	4000* ppm
	pentane-2,4-dione	200 ppm
	2-methoxy-1-methylethyl acetate	5000* ppm
67-64-1	acetone	5700* ppm
75-65-0	2-methylpropan-2-ol	8000* ppm
	methyl methacrylate	570 ppm
	Propylene glycol	7,900 mg/m ²
	phosphoric acid	150 mg/m³
100-41-4	ethylbenzene	1800* ppm



Page 6/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

		(Contd. of page 5
	methacrylic acid	220 ppm
	2-hydroxyethyl methacrylate	1,000 mg/m³
77-58-7	dibutyltin dilaurate	48 mg/m³
	triethylenediamine	340 mg/m³
	2-phenoxyethanol	97 ppm
	N-methyl-2-pyrrolidone	190 ppm
70657-70-4	2-methoxypropyl acetate	5,000 ppm
	butanol	8000* ppm
7447-41-8	lithium chloride	100 mg/m3
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 section 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.

(Contd. on page 7)



Page 7/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

	(Contd. of p
123-	86-4 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: 150 ppm Long-term value: 50 ppm
1330	0-20-7 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	Long-term value: 20 ppm BEI, A4
110-	43-0 2-Heptanone
PEL	Long-term value: 465 mg/m³, 100 ppm
REL	Long-term value: 465 mg/m³, 100 ppm
TLV	Long-term value: 50 ppm
123-	54-6 pentane-2,4-dione
TLV	Long-term value: 25 ppm Skin
80-62	2-6 methyl methacrylate
PEL	Long-term value: 410 mg/m³, 100 ppm
REL	Long-term value: 410 mg/m³, 100 ppm
TLV	Short-term value: 100 ppm Long-term value: 50 ppm DSEN, A4
Ingre	edients with biological limit values:
1330	0-20-7 xylene
	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.

(Contd. on page 8)



Page 8/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

(Contd. of page 7)

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer 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 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

9 Physical and chemical properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Liquid Color: White

Odor: CharacteristicOdor threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 124 °C (255.2 °F)

(Contd. on page 9)



Page 9/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

	(Contd. of page
Flash point:	25 °C (77 °F)
Flammability:	Flammable.
Auto igniting:	370 °C (698 °F)
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air 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):	1.02 g/cm³ (8.5119 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.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	41.9 %
Coating VOC content:	41.50 %
	425.8 g/l / 3.55 lb/gal
Material VOC content:	423.3 g/l / 3.53 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.

(Contd. on page 10)



Page 10/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

(Contd. of page 9)

- · 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 t	hat are	relevant	for c	lassifica	tion:

123-86-4 n-butyl acetate

Oral	LD50	13,100 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>21 mg/l (rat)

- 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

· 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 (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.

(Contd. on page 11)



Page 11/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

(Contd. of page 10)

- · 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.

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				,,,,,,,,,	1 4 4 75 1 4 1 6 1 4 4

· UN-Number

· DOT, ADR, IMDG, IATA UN1263

· UN proper shipping name

· **DOT** Paint

· **ADR** 1263 PAINT · **IMDG, IATA** PAINT

· Transport hazard class(es) NOT APPLICABLE

· DOT



· Class 3 Flammable liquids

(Contd. on page 12)





Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

(Contd. of page 11) · Label · ADR, IMDG, IATA · Class 3 Flammable liquids · Label · Packing group · DOT, ADR, IMDG, IATA III· Environmental hazards: · Marine pollutant: · Special precautions for user Warning: Flammable liquids · Hazard identification number (Kemler code): 30 · EMS Number: F-E,S-E · Stowage Category Α · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information: · DOT On passenger aircraft/rail: 60 L · Quantity limitations 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) 5L · Excepted quantities (ÉQ) 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

· Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

(Contd. on page 13)





Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

Cara		(Contd. of page
Sara	F (average), horovdova average).	
	55 (extremely hazardous substances):	
	e ingredients is listed.	
	3 (Specific toxic chemical listings):	
1330-20-7	· ·	
	2-methylpropan-2-ol	
	methyl methacrylate	
	phosphoric acid	
	ethylbenzene	
	2-phenoxyethanol	
	N-methyl-2-pyrrolidone	
104-68-7	Diethylene glycol monophenyl ether	
TSCA (Tox	ric Substances Control Act):	
123-86-4	n-butyl acetate	ACTIV
1330-20-7	1 7	ACTIV
110-43-0	2-Heptanone	ACTIV
123-54-6	pentane-2,4-dione	ACTIV
108-65-6	2-methoxy-1-methylethyl acetate	ACTIV
67-64-1	acetone	ACTI
75-65-0	2-methylpropan-2-ol	ACTIV
80-62-6	methyl methacrylate	ACTIV
26761-45-5	2,3-epoxypropyl neodecanoate	ACTIV
<i>57-55-6</i>	Propylene glycol	ACTIV
7664-38-2	? phosphoric acid	ACTIV
100-41-4	t ethylbenzene	ACTIV
79-41-4	methacrylic acid	ACTIV
868-77-9	2-hydroxyethyl methacrylate	ACTIV
77-58-7	dibutyltin dilaurate	ACT/\
280-57-9	triethylenediamine	ACTIV
122-99-6	2-phenoxyethanol	ACTIV
872-50-4	N-methyl-2-pyrrolidone	ACTIV
78-83-1	butanol	ACTI
7447-41-8	lithium chloride	ACTIV
104-68-7	Diethylene glycol monophenyl ether	ACTIV
556-67-2	octamethylcyclotetrasiloxane	ACTIV





Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

		(Contd. of pa	age '
	s Air Pollutants		
1330-20-7			
	methyl methacrylate		
	ethylbenzene		
Proposition			
Chemicals	s known to cause cancer:		
100-41-4	ethylbenzene		
Chemicals	known to cause reproductive toxicity for females:		
None of th	e ingredients is listed.		
Chemicals	known to cause reproductive toxicity for males:		
None of th	e ingredients is listed.		
Chemicals	s known to cause developmental toxicity:		
872-50-4	N-methyl-2-pyrrolidone		
_	enic categories Fronmental Protection Agency)		
1330-20-7	,	1	
	acetone		
	2-methylpropan-2-ol		C
	methyl methacrylate		<u>.</u> , Λ
	ethylbenzene		
	shold Limit Value)		_
1330-20-7	,		1
	acetone		1
	2-methylpropan-2-ol		/
	methyl methacrylate		1
	ethylbenzene		1
	dibutyltin dilaurate		1
			1
	(National Institute for Occupational Safety and Hea	ith)	
None of th	e ingredients is listed.		

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

(Contd. on page 15)



Page 15/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

(Contd. of page 14)

· Hazard pictograms





GHS02 GHS07

- · Signal word Warning
- · Hazard-determining components of labeling:

n-butyl acetate

methyl methacrylate

2,3-epoxypropyl neodecanoate

· 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 CO2, powder or water spray to extinguish.

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.

(Contd. on page 16)



Page 16/16

Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024 Reviewed on 07/29/2024

Trade name: 633 2K MEDIUM YELLOW

(Contd. of page 15)

· Department issuing SDS: Product safety department

· Contact: N/A

· Date of preparation / last revision 10/22/2024 / 1.0

· Abbreviations and acronyms:

ADR: Accord relatif au transport international 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

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

Flammable Liquids 3: Flammable liquids - Category 3

Sensitization - Skin 1: Skin sensitisation - Category 1

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) - Category 3

· * Data compared to the previous version altered.