



## Safety Data Sheet acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

### 1 Identification

- **Product identifier**
- **Trade name:** 805 ECOSTAR BINDER
- **Article number:** 805
- **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 2

H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 2

H351 Suspected of causing cancer.



GHS07

Skin Irritation 2

H315 Causes skin irritation.

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).

(Contd. on page 2)



## Safety Data Sheet acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 1)

**· Hazard pictograms**

GHS02 GHS07 GHS08

**· Signal word** *Danger***· Hazard-determining components of labeling:**

*n*-butyl acetate  
4-methylpentan-2-one  
ethylbenzene

**· Hazard statements**

*Highly flammable liquid and vapor.*  
*Causes skin irritation.*  
*Suspected of causing cancer.*  
*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.*  
*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 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.*  
*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.*

(Contd. on page 3)

US



## Safety Data Sheet acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 2)

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 3  
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 1  
Fire = 3  
Reactivity = 0

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

### 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	>25-≤50%
1330-20-7	xylene	>10-≤25%
108-10-1	4-methylpentan-2-one	>2.5-≤10%
108-65-6	2-methoxy-1-methylethyl acetate	>2.5-≤10%
64742-95-6	Solvent naphtha (petroleum), light arom.	>2.5-≤10%
100-41-4	ethylbenzene	≤2.5%

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **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.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.

(Contd. on page 4)



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 3)

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, 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).  
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**

**PAC-1:**

123-86-4	n-butyl acetate	5 ppm
1330-20-7	xylene	130 ppm
108-10-1	4-methylpentan-2-one	75 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
100-41-4	ethylbenzene	33 ppm
107-98-2	1-methoxy-2-propanol	100 ppm

**PAC-2:**

123-86-4	n-butyl acetate	200 ppm
1330-20-7	xylene	920* ppm
108-10-1	4-methylpentan-2-one	500 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm

(Contd. on page 5)

US



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 4)

100-41-4	ethylbenzene	1100* ppm
107-98-2	1-methoxy-2-propanol	160 ppm
<b>PAC-3:</b>		
123-86-4	n-butyl acetate	3000* ppm
1330-20-7	xylene	2500* ppm
108-10-1	4-methylpentan-2-one	3000* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
100-41-4	ethylbenzene	1800* ppm
107-98-2	1-methoxy-2-propanol	660 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:** 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.
- **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 remaining constituent has no known exposure limits.

(Contd. on page 6)

US



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 5)

**123-86-4 n-butyl acetate**

PEL	Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
REL	Short-term value: 950 mg/m <sup>3</sup> , 200 ppm Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
TLV	Short-term value: 150 ppm Long-term value: 50 ppm

**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	Long-term value: 20 ppm BEI, A4

**108-10-1 4-methylpentan-2-one**

PEL	Long-term value: 410 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 300 mg/m <sup>3</sup> , 75 ppm Long-term value: 205 mg/m <sup>3</sup> , 50 ppm
TLV	Short-term value: 75 ppm Long-term value: 20 ppm BEI, A3

**108-65-6 2-methoxy-1-methylethyl acetate**

WEEL	Long-term value: 50 ppm
------	-------------------------

**100-41-4 ethylbenzene**

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	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: 20 ppm OTO, BEI, A3

**Ingredients with biological limit values:****1330-20-7 xylene**

BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
-----	--

**108-10-1 4-methylpentan-2-one**

BEI	1 mg/L Medium: urine Time: end of shift Parameter: MIBK
-----	--

(Contd. on page 7)

-US-



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 6)

**100-41-4 ethylbenzene**

BEI 0.15 g/g creatinine

Medium: urine

Time: end of shift at end of workweek

Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

- **Additional information:** The lists that were valid during the creation were used 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.
  - Store protective clothing separately.
  - Avoid contact with the skin.
  - Avoid contact with the eyes and skin.
- **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.

(Contd. on page 8)

US



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 7)

**· Eye protection:**

Tightly sealed goggles

### 9 Physical and chemical properties

**· Information on basic physical and chemical properties****· General Information****· Appearance:****Form:**

Liquid

**Color:**

Colorless

**· Odor:**

Characteristic

**· Odor threshold:**

Not determined.

**· pH-value:**

Not determined.

**· Change in condition****Melting point/Melting range:**

Undetermined.

**Boiling point/Boiling range:**

115 °C (239 °F)

**· Flash point:**

14 °C (57.2 °F)

**· Flammability:**

Highly flammable.

**· Auto igniting:**

315 °C (599 °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:**

1.1 Vol %

**Upper:**

7.5 Vol %

**· Vapor pressure at 20 °C (68 °F):**

10.7 hPa (8 mm Hg)

**· Density at 20 °C (68 °F):**0.90734 g/cm<sup>3</sup> (7.57175 lbs/gal)**· Relative density**

Not determined.

**· Vapor density**

Not determined.

**· Evaporation rate**

Not determined.

(Contd. on page 9)

US





## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 8)

- |   |  |  |
|---|--|--|
| · <b>Solubility in / Miscibility with Water:</b>                  |  | Not miscible or difficult to mix.          |
| · <b>Partition coefficient (n-octanol/water):</b> Not determined. |  |  |
| · <b>Viscosity:</b>   |  |  |
| <b>Dynamic:</b>   |  | Not determined.                            |
| <b>Kinematic:</b>   |  | Not determined.                            |
| · <b>Solvent content:</b>   |  |  |
| <b>Organic solvents:</b>  |  | 82.9 %                                     |
| <b>Coating VOC content:</b>                                       |  | 82.90 %                                    |
|   |  | 752.2 g/l / 6.28 lb/gal                    |
| <b>Material VOC content:</b>                                      |  | 752.2 g/l / 6.28 lb/gal                    |
| · <b>Solids content:</b>  |  | 17.1 %                                     |
| · <b>Other information</b>  |  | 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 that are relevant for classification:**

#### 108-10-1 4-methylpentan-2-one

Oral	LD50	2,080 mg/kg (rat)
Dermal	LD50	16,000 mg/kg (rab)
Inhalative	LC50/4 h	11 mg/l (ATE)
		8.3-16.6 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.

(Contd. on page 10)

US



## Safety Data Sheet acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 9)

- **on the eye:** No 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**

- **IARC (International Agency for Research on Cancer)**

1330-20-7	xylene	3
108-10-1	4-methylpentan-2-one	2B
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.
- **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.

US

(Contd. on page 11)



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024



**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 10)

### 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.

### 14 Transport information

- **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
- **Label** 3
- **ADR, IMDG, IATA**
- 
- **Class** 3 Flammable liquids
- **Label** 3
- **Packing group**
- **DOT, ADR, IMDG, IATA** III
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Flammable liquids

(Contd. on page 12)



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 11)

• <b>EMS Number:</b>	F-E,S-C
• <b>Stowage Category</b>	A
• <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
• <b>Transport/Additional information:</b>	
• <b>DOT</b>	
• <b>Quantity limitations</b>	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
• <b>ADR</b>	
• <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
• <b>IMDG</b>	
• <b>Limited quantities (LQ)</b>	5L
• <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
• <b>UN "Model Regulation":</b>	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.

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

1330-20-7	xylene
108-10-1	4-methylpentan-2-one
100-41-4	ethylbenzene

- **TSCA (Toxic Substances Control Act):**

123-86-4	n-butyl acetate	ACTIVE
1330-20-7	xylene	ACTIVE
108-10-1	4-methylpentan-2-one	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
9004-36-8	cellulose acetate butyrate	ACTIVE

(Contd. on page 13)



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 12)

100-41-4	ethylbenzene	ACTIVE
107-98-2	1-methoxy-2-propanol	ACTIVE

**· Hazardous Air Pollutants**

1330-20-7	xylene
108-10-1	4-methylpentan-2-one
100-41-4	ethylbenzene

**· Proposition 65****· Chemicals known to cause cancer:**

108-10-1	4-methylpentan-2-one
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:**

108-10-1	4-methylpentan-2-one
----------	----------------------

**· Carcinogenic categories****· EPA (Environmental Protection Agency)**

1330-20-7	xylene	I
108-10-1	4-methylpentan-2-one	I
100-41-4	ethylbenzene	D

**· TLV (Threshold Limit Value)**

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**

GHS02 GHS07 GHS08

**· Signal word** Danger

(Contd. on page 14)

US



## Safety Data Sheet acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 13)

**· Hazard-determining components of labeling:**

n-butyl acetate  
4-methylpentan-2-one  
ethylbenzene

**· Hazard statements**

Highly flammable liquid and vapor.  
Causes skin irritation.  
Suspected of causing cancer.  
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.  
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 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.  
In case of fire: Use CO<sub>2</sub>, 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.

- **Department issuing SDS:** Product safety department
- **Contact:** N/A
- **Date of preparation / last revision** 10/23/2024 / 1.0

(Contd. on page 15)

US



## Safety Data Sheet acc. to OSHA HCS

Printing date 10/23/2024

Reviewed on 10/23/2024

**Trade name: 805 ECOSTAR BINDER**

(Contd. of page 14)

**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 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 2: Flammable liquids – Category 2*

*Skin Irritation 2: Skin corrosion/irritation – Category 2*

*Carcinogenicity 2: Carcinogenicity – Category 2*

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

**\* Data compared to the previous version altered.**

US