

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

1 Identification

- **Product identifier**
- **Trade name:** MC-SHIELDCOAT 100
- **Article number:** W511.X W511.XX W511.XXXX
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Wasser Corporation
4118 B PL NW, Suite B
Auburn, WA 98001, US
Phone 253-850-2967
- **Information department:** Product safety department
- **Emergency telephone number:**
EMERGENCY PHONE NUMBERS:
USA and Canada: 1-800 424-9300
International: 1-703 527-3887

2 Hazard(s) identification

- **Classification of the substance or mixture**



Flame

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



Skull and crossbones

Acute Tox. 3 H331 Toxic if inhaled.



Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Muta. 1B H340 May cause genetic defects.

Carc. 1B H350 May cause cancer.

Repr. 1B H360 May damage fertility or the unborn child.



Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS02



GHS06



GHS08

- **Signal word** Danger

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

Hexane, 1,6-diisocyanato-, homopolymer
titanium dioxide

(Contd. on page 2)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 1)

Stoddard solvent

bis(2-ethylhexyl) phthalate

· **Hazard statements**

H225 Highly flammable liquid and vapor.

H331 Toxic if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H340 May cause genetic defects.

H350 May cause cancer.

H360 May damage fertility or the unborn child.

· **Precautionary statements**

Keep out of reach from children.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P284 Wear respiratory protection.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves / eye protection / face protection.

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P240 Ground/bond container and receiving equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P363 Wash contaminated clothing before reuse.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 3

Fire = 3

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = *3

Fire = 3

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

US

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 2)

3 Composition/information on ingredients

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

- **Dangerous components:**

540-88-5	tert-butyl acetate	10-30%%
13463-67-7	titanium dioxide	10-30%%
53880-05-0	Homopolymer of IPDI	1-5%%
28182-81-2	Hexane, 1,6-diisocyanato-, homopolymer	1-5%%
110-43-0	methyl amyl ketone	1-5%%
7429-90-5	aluminium powder (stabilised) in sylver color	1-5%%
8052-41-3	Stoddard solvent	1-5%%
64742-95-6	Solvent naphtha (petroleum), light arom.	1-5%%
117-81-7	bis(2-ethylhexyl) phthalate	1-5%%
4098-71-9	isophorone di-isocyanate	1-5%%
95-63-6	1,2,4-trimethylbenzene	1-5%%
1333-86-4	Carbon black in dark, grey, or dark colors	0.1-1%%
64741-65-7	Naphtha (petroleum), heavy alkylate	0.1-1%%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **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, sand, extinguishing powder. Do not use water.
- **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 product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 3)

- 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.
Do not flush with water or aqueous cleansing agents
- **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.

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.
- **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:**

540-88-5 tert-butyl acetate

PEL Long-term value: 950 mg/m³, 200 ppm

REL Long-term value: 950 mg/m³, 200 ppm

TLV Long-term value: 950 mg/m³, 200 ppm

110-43-0 methyl amyl ketone

PEL Long-term value: 465 mg/m³, 100 ppm

REL Long-term value: 465 mg/m³, 100 ppm

TLV Long-term value: 233 mg/m³, 50 ppm

8052-41-3 Stoddard solvent

PEL Long-term value: 2900 mg/m³, 500 ppm

REL Long-term value: 350 mg/m³
Ceiling limit value: 1800* mg/m³
*15-min

TLV Long-term value: 525 mg/m³, 100 ppm

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 4)

117-81-7 bis(2-ethylhexyl) phthalatePEL Long-term value: 5 mg/m³REL Short-term value: 10 mg/m³
Long-term value: 5 mg/m³
See Pocket Guide App. ATLV Long-term value: 5 mg/m³**4098-71-9 isophorone di-isocyanate**REL Short-term value: 0.18 mg/m³, 0.02 ppm
Long-term value: 0.045 mg/m³, 0.005 ppm
SkinTLV Long-term value: 0.045 mg/m³, 0.005 ppm**95-63-6 1,2,4-trimethylbenzene**REL Long-term value: 125 mg/m³, 25 ppmTLV Long-term value: 123 mg/m³, 25 ppm

· **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.

· **Breathing equipment:**

During mixing, handling and application: Splash goggles. Full protective clothing. Gloves (impervious). Wear suitable respiratory equipment. When air concentrations are not known (or above the TLV), an air-supplied respirator is required. Refer to OSHA Respiratory Protection Standard (29 CFR 1910.134). In presence of air movement, air-purifying (cartridge type) respirators are not the best protection but can be used, if you replaced them frequently. Change cartridges after 8h max or less due to their low warning properties. When in a confined space wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

· **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 6)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 5)

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Fluid
· Color:	Various colors
· Odor:	Aromatic
· Odour threshold:	Not determined.

· pH-value: Not determined.

· Change in condition

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	97 °C (207 °F)

· Flash point: 15 °C (59 °F)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature:

· 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:	Not determined.
· Upper:	Not determined.

· Vapor pressure at 20 °C (68 °F): 41 hPa (31 mm Hg)

· Density at 20 °C (68 °F): 1.11-1.32 g/cm³ (9.263-11.015 lbs/gal)

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with

· Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

· Dynamic:	Not determined.
· Kinematic:	Not determined.

· Solvent content:

· Solids content: 67-73.0 %

· Other information: No further relevant information available.

US

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 6)

10 Stability and reactivity

- **Reactivity**
- **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:**

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

117-81-7 bis(2-ethylhexyl) phthalate

Oral	LD50	30600 mg/kg (rat)
Dermal	LD50	25000 mg/kg (rabbit)

64741-65-7 Naphtha (petroleum), heavy alkylate

Oral	LD50	> 6000 mg/kg (rat)
Dermal	LD50	> 3000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 7.8 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:**
Sensitization possible through inhalation.
Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant
Carcinogenic.
The product can cause inheritable damage.
- **Carcinogenic categories**

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

13463-67-7	titanium dioxide	2B
117-81-7	bis(2-ethylhexyl) phthalate	2B
7631-86-9	silicon dioxide, chemically prepared	3
1333-86-4	Carbon black	2B
1330-20-7	xylene	3
14808-60-7	Quartz (SiO ₂)	1
111-76-2	2-butoxyethanol	3
100-41-4	ethylbenzene	2B

(Contd. on page 8)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 7)

· **NTP (National Toxicology Program)**

117-81-7	bis(2-ethylhexyl) phthalate	R
14808-60-7	Quartz (SiO ₂)	K

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
*Water hazard class 3 (Self-assessment): extremely hazardous for water
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.
 Danger to drinking water if even extremely small quantities leak into the ground.*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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)**· **DOT**

-
- Class**
- 3 Flammable liquids

(Contd. on page 9)

Safety Data Sheet


acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 8)

· Label	3
· ADR, IMDG, IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, ADR, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
· Danger code (Kemler):	33
· EMS Number:	F-E,S-E
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
Not applicable.	
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· ADR	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN1263, Paint, 3, II

15 Regulatory information

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

· Section 355 (extremely hazardous substances):

4098-71-9	isophorone di-isocyanate
-----------	--------------------------

· Section 313 (Specific toxic chemical listings):

117-81-7	bis(2-ethylhexyl) phthalate
----------	-----------------------------

4098-71-9	isophorone di-isocyanate
-----------	--------------------------

95-63-6	1,2,4-trimethylbenzene
---------	------------------------

1330-20-7	xylene
-----------	--------

872-50-4	N-methyl-2-pyrrolidone
----------	------------------------

822-06-0	hexamethylene-di-isocyanate
----------	-----------------------------

111-76-2	2-butoxyethanol
----------	-----------------

100-41-4	ethylbenzene
----------	--------------

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 9)

· TSCA (Toxic Substances Control Act):

<i>tert-butyl acetate</i>
<i>titanium dioxide</i>
<i>Homopolymer of IPDI</i>
<i>Hexane, 1,6-diisocyanato-, homopolymer</i>
<i>methyl amyl ketone</i>
<i>Stoddard solvent</i>
<i>Solvent naphtha (petroleum), light arom.</i>
<i>bis(2-ethylhexyl) phthalate</i>
<i>silicon dioxide, chemically prepared</i>
<i>isophorone di-isocyanate</i>
<i>1,2,4-trimethylbenzene</i>

· Proposition 65
· Chemicals known to cause cancer:

<i>13463-67-7</i>	<i>titanium dioxide</i>
<i>117-81-7</i>	<i>bis(2-ethylhexyl) phthalate</i>
<i>1333-86-4</i>	<i>Carbon black</i>
<i>14808-60-7</i>	<i>Quartz (SiO₂)</i>
<i>100-41-4</i>	<i>ethylbenzene</i>

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

<i>117-81-7</i>	<i>bis(2-ethylhexyl) phthalate</i>
-----------------	------------------------------------

· Chemicals known to cause developmental toxicity:

<i>117-81-7</i>	<i>bis(2-ethylhexyl) phthalate</i>
<i>872-50-4</i>	<i>N-methyl-2-pyrrolidone</i>

· Carcinogenic categories
· EPA (Environmental Protection Agency)

<i>117-81-7</i>	<i>bis(2-ethylhexyl) phthalate</i>	<i>B2</i>
<i>1330-20-7</i>	<i>xylene</i>	<i>I</i>
<i>111-76-2</i>	<i>2-butoxyethanol</i>	<i>NL</i>
<i>100-41-4</i>	<i>ethylbenzene</i>	<i>D</i>

· TLV (Threshold Limit Value established by ACGIH)

<i>titanium dioxide</i>	<i>A4</i>
<i>bis(2-ethylhexyl) phthalate</i>	<i>A3</i>
<i>Carbon black</i>	<i>A4</i>
<i>xylene</i>	<i>A4</i>
<i>zirconium dioxide</i>	<i>A4</i>

· NIOSH-Ca (National Institute for Occupational Safety and Health)

<i>13463-67-7</i>	<i>titanium dioxide</i>
<i>117-81-7</i>	<i>bis(2-ethylhexyl) phthalate</i>
<i>1333-86-4</i>	<i>Carbon black</i>
<i>14808-60-7</i>	<i>Quartz (SiO₂)</i>

· GHS label elements

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

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 10)

· Hazard pictograms



GHS02 GHS06 GHS08

· Signal word *Danger*

· Hazard-determining components of labeling:

Hexane, 1,6-diisocyanato-, homopolymer
titanium dioxide
Stoddard solvent
bis(2-ethylhexyl) phthalate

· Hazard statements

H225 Highly flammable liquid and vapor.
H331 Toxic if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H340 May cause genetic defects.
H350 May cause cancer.
H360 May damage fertility or the unborn child.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P284 Wear respiratory protection.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P280 Wear protective gloves / eye protection / face protection.
P280 Wear protective gloves.
P280 Wear eye protection / face protection.
P240 Ground/bond container and receiving equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321 Specific treatment (see on this label).
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P363 Wash contaminated clothing before reuse.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
P405 Store locked up.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

· Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

US

(Contd. on page 12)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2015

Reviewed on 09/24/2015

Trade name: MC-SHIELDCOAT 100

(Contd. of page 11)

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:** HS REG.DEPART.REG.SS

· **Date of preparation / last revision** 09/24/2015 / -

· **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

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Acute Tox. 3: Acute toxicity, Hazard Category 3

Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Muta. 1B: Germ cell mutagenicity, Hazard Category 1B

Carc. 1B: Carcinogenicity, Hazard Category 1B

Repr. 1B: Reproductive toxicity, Hazard Category 1B