

Safety data sheet

according to Regulation (EC) 1907/2006 (REACH),
amended by Regulation (EU) 453/2010

Printing date 10.04.2014

Version number 1

Revision: 10.04.2014

1 Identification of the substance/mixture and of the company/undertaking• **1.1 Product identifier**• **Trade name:** P-413C BAKED PHENOLIC COATING• **Article number:** HER002a/1• **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.• **Application of the substance / the preparation:**

Heat-cured phenolic coating for products fabricated of light gauge metal.

• **1.3 Details of the supplier of the safety data sheet**• **Manufacturer/Supplier:**

HERESITE PROTECTIVE COATINGS, LLC
Liquid Coatings Division
822 SOUTH 14TH ST.
MANITOWOC, WI 54220, USA

Tel: 001-920-684-6646 (HERESITE Information Line)

Telefax: 001-920-684-0110

• **Only Representative (OR)**

ENVIRON UK Ltd
1 Broad Gate
The Headrow
Leeds LS1 8EQ
United Kingdom

Tel.: +44-(0)113-245-7552

Fax: +44-(0)113-245-7495

• **Information:**

see manufacturer/supplier

email Sue Bullock, ENVIRON UK (sbullock@uk.environcorp.com)

• **1.4 Emergency telephone number:**

see: manufacturer/supplier

National:

UK

In England and Wales: NHS Direct - 0845 4647

In Scotland: NHS 24 - 08454 24 24 24

2 Hazards identification• **2.1 Classification of the substance or mixture**• **Classification according to Regulation (EC) No 1272/2008**

GHS02 flame

Flam. Liq. 2

H225 Highly flammable liquid and vapour.



GHS08 health hazard

Muta. 2

H341 Suspected of causing genetic defects.

Carc. 2

H351 Suspected of causing cancer.

Repr. 2

H361 Suspected of damaging fertility or the unborn child.

STOT SE 1

H370 Causes damage to organs.



GHS05 corrosion

Skin Corr. 1B

H314 Causes severe skin burns and eye damage.

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GHS07

Acute Tox. 4 H302 Harmful if swallowed.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

• **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



T; Toxic

R61: May cause harm to the unborn child.



C; Corrosive

R35: Causes severe burns.



Xn; Harmful

R22-40-62: Harmful if swallowed. Limited evidence of a carcinogenic effect.
Possible risk of impaired fertility.



Xi; Sensitising

R43: May cause sensitisation by skin contact.



F; Highly flammable

R11: Highly flammable.

R52/53-66: Harmful to aquatic organisms, may cause long-term adverse effects
in the aquatic environment. Repeated exposure may cause skin
dryness or cracking.

• **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

• **Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

• **2.2 Label elements**

• **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

• **Hazard pictograms**



GHS02



GHS05



GHS07



GHS08

• **Signal word Danger**

• **Hazard-determining components of labelling:**

phenol
tris(methylphenyl) phosphate
formaldehyde
butan-1-ol

• **Hazard statements**

H225 Highly flammable liquid and vapour.

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H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H370 Causes damage to organs.
H412 Harmful to aquatic life with long lasting effects.

• Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311 Call a POISON CENTER or doctor/physician.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P405 Store locked up.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• Additional information:

— EUH066 Repeated exposure may cause skin dryness or cracking. —
Can become highly flammable in use.

• 2.3 Other hazards**• Results of PBT and vPvB assessment**

- PBT: Not determined.
- vPvB: Not determined.

3 Composition/information on ingredients**• 3.2 Mixtures**

• **Description:** Mixture of the substances listed below with harmless additions.

• Components:

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5	ethanol F R11 Flam. Liq. 2, H225	10-<20%
CAS: 1332-58-7 EC number: 310-127-6	Kaolin substance with a (Community) workplace exposure limit	5-10%
CAS: 1330-78-5 EINECS: 215-548-8 Index number: 015-015-00-8	tris(methylphenyl) phosphate T R39/23/24/25; N R51/53 STOT SE 1, H370; Aquatic Chronic 2, H411	3-<10%

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CAS: 108-95-2 EINECS: 203-632-7 Index number: 604-001-00-2	phenol ☒ T R23/24/25; ☒ C R34; ☒ Xn R48/20/21/22-68 Muta. Cat. 3 ☒ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ☒ Muta. 2, H341; STOT RE 2, H373; ☒ Skin Corr. 1B, H314	3-<10%
CAS: 50-00-0 EINECS: 200-001-8 Index number: 605-001-00-5	formaldehyde ☒ T R23/24/25; ☒ C R34; ☒ Xn R40; ☒ Xi R43 Carc. Cat. 3 ☒ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ☒ Carc. 2, H351; ☒ Skin Corr. 1B, H314; ☒ Skin Sens. 1, H317	1-<2%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6	butan-1-ol ☒ Xn R22; ☒ Xi R37/38-41 R10-67 ☒ Flam. Liq. 3, H226; ☒ Eye Dam. 1, H318; ☒ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-<2%
CAS: 67-56-1 EINECS: 200-659-6 Index number: 603-001-00-X	methanol ☒ T R23/24/25-39/23/24/25; ☒ F R11 ☒ Flam. Liq. 2, H225; ☒ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ☒ STOT SE 1, H370	0.3-<1%
CAS: 9003-35-4	Phenol Novolac Resin	30-40%
CAS: 1309-37-1 EINECS: 215-168-2	diiron trioxide	5-7%
CAS: 52357-70-7 EINECS: 257-870-1	Brown Iron Oxide	< 1.0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide	< 1.0%

• **Additional information:**

For the wording of the listed risk phrases refer to section 16.

4 First aid measures

• **4.1 Description of first aid measures**

• **General information:**

In all cases of doubt, or when sickness symptoms persist, seek medical attention. Instantly remove any clothing soiled by the product. Contaminated clothing should be laundered before reuse.

• **After inhalation:**

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

In case of unconsciousness bring patient into stable side position for transport.

• **After skin contact:**

Instantly wash with water and soap and rinse thoroughly. Seek medical treatment.

• **After eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical advice.

• **After swallowing:**

Do NOT induce vomiting unless directed to do so by medical personnel. Rinse out mouth and then drink plenty of water.

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NEVER give anything to drink to an unconscious person.
Call a doctor immediately.

- **4.2 Most important symptoms and effects, both acute and delayed:**
Repeated skin contact may result in sensitisation (allergy).
In case of contact with eyes and/or skin:
Eye irritation, redness, tearing and blurred vision.
- **4.3 Indication of any immediate medical attention and special treatment needed:**
Symptomatic treatment following exposure to the product.

5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Alcohol-resistant foam
CO₂
Fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents:** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained breathing apparatus.
Wear full protective suit.

6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:**
Wear protective equipment. Keep unprotected persons away.
Keep people at a distance and stay on the windward side.
Ensure adequate ventilation.
Keep away from ignition sources.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.
Prevent from spreading (e.g. by damming-in or oil barriers).
Keep dirty washing water for appropriate disposal.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Absorb with liquid-binding non combustible material (e.g. sand).
Clean the accident area carefully; suitable cleaners are:
Warm water and cleaning agent.
Send for recovery or disposal in suitable containers.
- **6.4 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 information on disposal.

7 Handling and storage

- **7.1 Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Handle with care. Avoid jolting, friction and impact.
Use solvent-proof equipment.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Use explosion-proof apparatus / fittings and spark-proof tools.

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Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity). Do not smoke.

Wear shoes with insulated soles.

Protect against electrical device failure.

- **7.2 Conditions for safe storage, including any incompatibilities:**

- **Storage**

- **Requirements to be met by storerooms and containers:**

Storehouses and workplaces must be sufficiently ventilated.

Store in cool location.

Suitable storage temperature -40 °C - +40 °C

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with acids.

Store away from oxidizing agents.

- **Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

- **7.3 Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:**

Engineering controls should be used as primary means to control exposures.

Make available emergency shower and eye wash at the workplace.

A workplace risk assessment must be carried out in order to determine the corrective engineering control and organizational measures and personal protective equipment.

No further data; see Section 7.

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

64-17-5 ethanol

WEL (Great Britain)	Long-term value: 1920 mg/m ³ , 1000 ppm
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1332-58-7 Kaolin

WEL (Great Britain)	Long-term value: 2 mg/m ³
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108-95-2 phenol

WEL (Great Britain)	Short-term value: 16 mg/m ³ , 4 ppm Long-term value: 7.8 mg/m ³ , 2 ppm Sk
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IOELV (EU)	Short-term value: 16 mg/m ³ , 4 ppm Long-term value: 8 mg/m ³ , 2 ppm Skin
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50-00-0 formaldehyde

WEL (Great Britain)	Short-term value: 2.5 mg/m ³ , 2 ppm Long-term value: 2.5 mg/m ³ , 2 ppm
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71-36-3 butan-1-ol

WEL (Great Britain)	Short-term value: 154 mg/m ³ , 50 ppm Sk
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67-56-1 methanol

WEL (Great Britain)	Short-term value: 333 mg/m ³ , 250 ppm Long-term value: 266 mg/m ³ , 200 ppm Sk
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IOELV (EU)	Long-term value: 260 mg/m ³ , 200 ppm Skin
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- **DNELs**
Tricresyl Phosphate (CAS 1330-78-5) DNEL = 1.11 mg/m³
Iron Oxide (CAS 1309-37-1) DNEL = 10 mg/m³
- **Additional information:** Monomers can be released during processing.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Take off immediately all contaminated clothing.
Launder work clothing regularly.
Wash hands before breaks and at the end of the work.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
Do not eat, drink or smoke while working to limit potential ingestion of chemicals.
- **Breathing equipment:**
Engineering controls should be used as primary means to control exposures. Local exhaust ventilation is required unless used in a closed system. For laboratory use, handle in a lab fume hood.
If the applicable Occupational Exposure Level (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.
- **Protection of hands:**
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:** Chemically resistant gloves (Standard EN374).
- **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 safety glasses.
- **Body protection:**
Protective work clothing.
Apron

9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Colour:	Brown
- **Odour:** Solvent-like
- **Odour threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	80-100 °C
- **Flash point:** 17 °C
- **Flammability (solid, gaseous)** Not applicable.
- **Ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.

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- **Self-inflammability:** Not determined.
- **Danger of explosion:** Not applicable.
- **Critical values for explosion:**
 - Lower:** 3.3 Vol %
 - Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density:** Not determined.
- **Relative density:** Not determined.
- **Vapour density:** Not determined.
- **Evaporation rate:** < Ether
- **Solubility in / Miscibility with Water:** Not determined.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - dynamic:** 80 Krebs units
 - kinematic:** Not determined.
- **9.2 Other information:** No further relevant information available.

10 Stability and reactivity

- **10.1 Reactivity:**
No known hazards with respect to reactivity when handled and stored according to provisions.
- **10.2 Chemical stability:**
Stable under recommended storage and handling conditions.
(-40 °C - +40 °C)
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- **10.4 Conditions to avoid:**
High temperatures
Heat, flames and sparks.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
In case of fire:
Carbon monoxide and carbon dioxide
Hydrocarbons

11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
There is no data available for the material itself.

• LD/LC50 values that are relevant for classification:		
9003-35-4 Phenol Novolac Resin		
Oral	LD50	> 2000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rab)
64-17-5 ethanol		
Oral	LD50	7060 mg/kg (rat)
		6300 mg/kg (rabbit)
	LDLo	1400 mg/kg (man)

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Inhalative	LC50/4 h	20000 mg/l (rat)
108-95-2 phenol		
Dermal	LD50	670 mg/kg (rat)
1309-37-1 diiron trioxide		
Oral	LD50	>5000 mg/kg (rat)
50-00-0 formaldehyde		
Oral	LD50	100 mg/kg (rat)
Dermal	LD50	292 mg/kg (rabbit)
71-36-3 butan-1-ol		
Oral	LD50	790 mg/kg (rat)
Dermal	LD50	3400 mg/kg (rabbit)
Inhalative	LC50/4 h	>24 mg/l (rat)
67-56-1 methanol		
Oral	LDLo	143 mg/kg (man)
13463-67-7 titanium dioxide		
Oral	LD50	> 20000 mg/kg (rat)
Dermal	LD50	> 10000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 6.82 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:**
Caustic effect on skin and mucous membranes.
Repeated or prolonged contact may cause dermatitis.
Drying-out effect resulting in rough and chapped skin.
- **on the eye:** Severe eye irritation, redness, tearing and blurred vision.
- **Sensitization:**
Sensitizing effect by skin contact is possible by prolonged exposure.
- **Other information (about experimental toxicology):** Not determined.
- **Listings**

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

64-17-5	ethanol
123-42-2	4-hydroxy-4-methylpentan-2-one
27360-07-2	Polyvinylbutyral
9003-35-4	Phenol Novolac Resin
108-95-2	phenol
50-00-0	formaldehyde
67-56-1	methanol
10361-29-2	ammonium carbonate

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
Muta. 2, Carc. 2, Repr. 2

12 Ecological information

- **12.1 Toxicity** No ecotoxicological data for the substance itself are available.

- **Aquatic toxicity:**

67-56-1 methanol	
EC50/48h	>10000 mg/l (Daphnia magna)
LC50/96h	29400 mg/l (Pimephales promelas)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

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- **Additional ecological information:**

- **General notes:**

At present no ecotoxicological assessments are known.

Avoid transfer into the environment.

Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not determined.

- **vPvB:** Not determined.

- **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation:**

Remove according to local authority recommendations, e.g. convey to a licensed incinerator.

Remove in accordance with the local official recommendations.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances

14 Transport information

- **14.1 UN number**

- **ADR, IMDG, IATA**

UN1263

- **14.2 UN proper shipping name**

- **ADR**

1263 PAINT (vapour pressure at 50 °C not more than 110 kPa)

PAINT

- **IMDG, IATA**

- **14.3 Transport hazard class(es)**

- **ADR, IMDG, IATA**



- **Class**

3 Flammable liquids.

- **Label**

3

- **14.4 Packing group**

- **ADR, IMDG, IATA**

II

- **14.5 Environmental hazards:**

- **Marine pollutant:**

No

- **14.6 Special precautions for user**

Warning: Flammable liquids.

- **Hazard Index Number:**

33

- **EMS Number:**

F-E, S-E

- **14.7 Transport in bulk according to**

Annex II of MARPOL73/78 and the IBC

Code

Not applicable.

- **Transport/Additional information:** -

- **ADR**

- **Limited quantities (LQ)**

5L

- **Transport category**

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- **Tunnel restriction code** (D/E)
- **UN "Model Regulation":** UN1263, PAINT (vapour pressure at 50 °C not more than 110 kPa), 3, II

15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out.

16 Other information

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- ~~H331 Toxic if inhaled.~~
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- H370 Causes damage to organs.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- R10 Flammable.
- R11 Highly flammable.
- R22 Harmful if swallowed.
- R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- R34 Causes burns.
- R37/38 Irritating to respiratory system and skin.
- R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
- R40 Limited evidence of a carcinogenic effect.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R67 Vapours may cause drowsiness and dizziness.
- R68 Possible risk of irreversible effects.

• **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
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 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)
 DNEL: Derived No-Effect Level (REACH)
 LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NOEC: No Observed Effect Concentration
EC50: Effective concentration that causes 50 % of the maximum response
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 3: Acute toxicity, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Muta. 2: Germ cell mutagenicity, Hazard Category 2
Carc. 2: Carcinogenicity, Hazard Category 2
Repr. 2: Reproductive toxicity, Hazard Category 2
STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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