

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Date of issue: 03/02/2025

Revised on 03/02/2025

1 Identification

- **Product Identifier**
- **Trade Name: Part B**
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Epoxy Adhesive (Part B)
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Champion Fiberglass, Inc.
6400 Spring Stuebner Rd.
Spring, TX 77389
Phone: 281.655.8900
Fax: 281.257.2523
www.championfiberglass.com
- **Emergency telephone number:** 281.655.8900

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Health hazard

Reproductive toxicity 2 H361 Suspected of damaging fertility or the unborn child.



Corrosion

Skin corrosion 1B H314 Causes severe skin burns and eye damage.

Eye damage 1 H318 Causes serious eye damage.



Sensitization - skin 1 H317 May cause an allergic skin reaction.

Aquatic Acute 2 H401 Toxic to aquatic life.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
diethylenetriamine (DETA)
4-nonylphenol, branched
2-piperazin-1-ylethylamine
- **Hazard statements:**
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H401 Toxic to aquatic life.

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Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dusts or mists.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
- P302+P352 If on skin: Wash with plenty of water.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a poison center/doctor.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.
20 % of the mixture consists of component(s) of unknown toxicity.

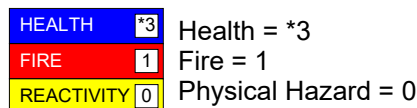
Information pertaining to particular dangers for man and environment:

Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)



Hazard(s) not otherwise classified (HNOC): None known

* 3 Composition/Information on Ingredients

Chemical characterization: Substance

Description:

Mixture of substances listed with non-hazardous additions and/or components that are less than listing threshold. All non-hazardous, components listed under threshold, and listed component total 100%.

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· Dangerous Components:		
CAS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol ⚠ Acute toxicity - oral 4, H302; Skin irritation 2, H315; Eye irritation 2A, H319	2-12%
CAS: 111-40-0 RTECS: IE 1225000	diethylenetriamine (DETA) ⚠ Skin corrosion 1B, H314; Eye damage 1, H318; ⚠ Acute toxicity - oral 4, H302; Acute toxicity - dermal 4, H312; Sensitization - skin 1, H317; Specific target organ toxicity (single exposure) 3, H335	2-12%
CAS: 140-31-8 RTECS: TK 8050000	2-piperazin-1-ylethylamine ⚠ Skin corrosion 1B, H314; ⚠ Acute toxicity - oral 4, H302; Acute toxicity - dermal 4, H312; Sensitization - skin 1, H317; Flammable liquids 4, H227	2-12%
CAS: 84852-15-3	4-nonylphenol, branched ⚠ Reproductive toxicity 2, H361; ⚠ Skin corrosion 1B, H314; ⚠ Aquatic Acute 1, H400; ⚠ Acute toxicity - oral 4, H302	2-12%

· Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

* 4 First-Aid Measures

· Description of first aid measures**· General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

· **After inhalation:** In case of unconsciousness place patient stably in the side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Immediate medical treatment is necessary. Failure to treat burns can prevent wounds from healing.

If skin irritation occurs, consult a doctor.

Wash with soap and water.

· After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

Rinse opened eye for several minutes under running water.

· **After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a 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:** Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** No further relevant information.

· **Special hazards arising from the substance or mixture:** No further relevant information available.

· Advice for firefighters**· Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

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6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

· **PAC-1:**

90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	6.5 mg/m ³
111-40-0	diethylenetriamine (DETA)	3 ppm
140-31-8	2-piperazin-1-ylethylamine	6.4 mg/m ³
84852-15-3	4-nonylphenol, branched	3.9 mg/m ³

· **PAC-2:**

90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	72 mg/m ³
111-40-0	diethylenetriamine (DETA)	8.5 ppm
140-31-8	2-piperazin-1-ylethylamine	71 mg/m ³
84852-15-3	4-nonylphenol, branched	43 mg/m ³

· **PAC-3:**

90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	430 mg/m ³
111-40-0	diethylenetriamine (DETA)	51 ppm
140-31-8	2-piperazin-1-ylethylamine	420 mg/m ³
84852-15-3	4-nonylphenol, branched	260 mg/m ³

· **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

· **Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** No special measures required.

· **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.

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

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8 Exposure Controls/Personal Protection

- **Control parameters:**

- **Components with occupational exposure limits:**

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

111-40-0 diethylenetriamine (DETA)

REL	Long-term value: 4 mg/m ³ , 1 ppm Skin
TLV	Long-term value: 4.2 mg/m ³ , 1 ppm Skin

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

- **Exposure controls:**

- **Appropriate engineering controls** No further data; see section 7.

- **Personal protective equipment**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- **Breathing equipment:** Not required.

- **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.

Select glove material based on penetration times, rates of diffusion and 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 cannot 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 determined and observed by the manufacturer of the protective gloves.

- **Eye protection:**



Tightly sealed goggles

- **Limitation and supervision of exposure into the environment:**

Keep away from drains, surface and ground waters.

Avoid release into the environment.

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* 9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Liquid

· **Color:**

Grayish

· **Odor:**

Mercaptan

· **Odor threshold:**

Not determined.

· **Melting point/Melting range:**

Not determined.

· **Boiling point/Boiling range:**

≥207.1 °C (≥404.8 °F)

· **Flammability:**

Not applicable.

· **Explosion limits:**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

≥150 °C (≥302 °F)

· **Auto igniting:**

Not applicable

· **Decomposition temperature:**

Not determined.

· **pH-value:**

Not determined.

· **Viscosity:**

· **Kinematic:**

Not determined.

· **Dynamic:**

Not determined.

· **Solubility in / Miscibility with:**

· **Water:**

Fully miscible.

· **Partition coefficient (n-octanol/water):**

Not determined.

· **Vapor pressure @ 20 °C (68 °F):**

≤0.5 hPa (≤0.4 mm Hg)

· **Vapor pressure:**

· **Density:**

Not determined.

· **Relative density:**

Not determined.

· **Vapor density:**

Not determined.

· **Particle characteristics**

Not applicable.

· **Other information:**

· **Appearance:**

· **Form:**

Liquid

· **Important information on protection of health and environment, and on safety.**

· **Ignition temperature:**

Product is not self-igniting.

· **Danger of explosion:**

Product does not present an explosion hazard.

· **Solvent content:**

· **VOC content:**

0.00 %

· **Change in condition**

· **Evaporation rate:**

Not determined.

10 Stability and Reactivity

· **Reactivity:** No further relevant information available.

· **Chemical stability:** Product is stable under normal conditions.

· **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.

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11 Toxicological Information

· **Information on toxicological effects:**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

111-40-0 diethylenetriamine (DETA)

Oral	LD50	1,080 mg/kg (Rat)
Dermal	LD50	1,090 mg/kg (rabbit)

140-31-8 2-piperazin-1-ylethylamine

Oral	LD50	2,140 mg/kg (Rat)
Dermal	LD50	880 mg/kg (rabbit)
Inhalative	LC50/4 h	100 mg/l (Trout)

84852-15-3 4-nonylphenol, branched

Oral	LD50	1,412 mg/kg (Rat)
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· **Primary irritant effect:**

· **On the skin:**

Strong caustic effect on skin and mucous membranes.
Corrosive effect on skin and mucous membranes.
Corrosive to skin and mucous membranes.
May cause an allergic skin reaction.

· **On the eye:**

Strong irritant with the danger of severe eye injury.
Corrosive effect.
Causes serious eye irritation.

· **Sensitization:** Sensitization possible through skin contact.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Corrosive
Irritant
Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· **Carcinogenic categories:**

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

None of the ingredients are listed.

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

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

None of the ingredients are listed.

12 Ecological Information

· **Toxicity:**

· **Aquatic toxicity:**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

140-31-8 2-piperazin-1-ylethylamine

EC50	32 mg/l (Daphnia)
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84852-15-3 4-nonylphenol, branched	
EC50	0.844 mg/l (Daphnia)
<ul style="list-style-type: none"> · Persistence and degradability: No further relevant information available. · Bioaccumulative potential: No further relevant information available. · Mobility in soil: No further relevant information available. · Results of PBT and vPvB assessment: · PBT: Not applicable. · vPvB: Not applicable. · Other adverse effects: · Remark: Toxic for fish · 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. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Danger to drinking water if even extremely small quantities leak into the ground. Poisonous for fish and plankton in water bodies. Toxic for aquatic organisms 	

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household waste. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, IMDG, IATA**
- **UN proper shipping name:**
- **DOT**
- **ADR/ADN**
- **IMDG**
- **IATA**
- **Transport hazard class(es):**
- **DOT**



- **Class:**

8 Corrosive substances

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· **Label:** 8

· ADR/ADN



· **Class:** 8 (C9) Corrosive substances

· **Label:** 8

· IMDG



· **Class:** 8 Corrosive substances

· **Label:** 8

· IATA



· **Class:** 8 Corrosive substances

· **Label:** 8

· **Packing group:**

· **DOT, ADR/ADN, IMDG, IATA** II

· **Environmental hazards:** Product contains environmentally hazardous substances: 4-nonylphenol, branched
Symbol (fish and tree)

· **Special marking (ADR/ADN):**

· **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: 1 L

On cargo aircraft only: 30 L

· **Remarks:** Special marking with the symbol (fish and tree).

· ADR/ADN

· **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

· **Special precautions for user:** Warning: Corrosive substances

· **Hazard identification number (Kemler code):** 80

· **EMS Number:** F-A,S-B

· **Segregation groups:** Alkalies

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· Stowage Category	B
· Stowage Code	SW2 Clear of living quarters.
· UN "Model Regulation":	UN 1760 CORROSIVE LIQUID, N.O.S. (4-NONYLPHENOL, BRANCHED, DIETHYLENETRIAMINE), 8, II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory Information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

No further relevant information available.

· **SARA (Superfund Amendments and Reauthorization):**

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

None of the ingredients are listed.

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

84852-15-3 4-nonylphenol, branched

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

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients are listed.

· **California Proposition 65:**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **New Jersey Right-to-Know List:**

111-40-0 diethylenetriamine (DETA)

140-31-8 2-piperazin-1-ylethylamine

7782-42-5 Graphite

· **New Jersey Special Hazardous Substance List:**

111-40-0 diethylenetriamine (DETA)

CO

140-31-8 2-piperazin-1-ylethylamine

CO, F2

· **Pennsylvania Right-to-Know List:**

111-40-0 diethylenetriamine (DETA)

140-31-8 2-piperazin-1-ylethylamine

7782-42-5 Graphite

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

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· **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

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

None of the ingredients are listed.

· **GHS label elements**

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

· **Hazard pictograms:**



· **Signal word:** Danger

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

diethylenetriamine (DETA)

4-nonylphenol, branched

2-piperazin-1-ylethylamine

· **Hazard statements:**

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

H401 Toxic to aquatic life.

· **Precautionary statements:**

P201 Obtain special instructions before use.

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

P260 Do not breathe dusts or mists.

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

P264 Wash thoroughly after handling.

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

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P302+P352 If on skin: Wash with plenty of water.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a poison center/doctor.

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

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

P362+P364 Take off contaminated clothing and wash it before reuse.

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

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

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

· **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

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

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of previous version** 03/11/2020
- **Version number of previous version:** 2
- **Date of preparation** 03/02/2025
- **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 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 and Health
 OSHA: Occupational Safety & Health Administration
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Flammable liquids 4: Flammable liquids – Category 4
 Acute toxicity - oral 4: Acute toxicity – Category 4
 Skin corrosion 1B: Skin corrosion/irritation – Category 1B
 Skin irritation 2: Skin corrosion/irritation – Category 2
 Eye damage 1: Serious eye damage/eye irritation – Category 1
 Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
 Sensitization - skin 1: Skin sensitisation – Category 1
 Reproductive toxicity 2: Reproductive toxicity – Category 2
 Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2

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

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