

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
GHS

Printing date 11.09.2014

Revision: 10.09.2014

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Black Tire Paint
- **Article number:** 14-154 , 14-156
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Paint
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
31 Incorporated  
100 Enterprise Dr.  
Newcomerstown, OH 43832  
Phone: (740) 498-8324
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H400.



corrosion

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



environment

Aquatic Acute 1    H400    Very toxic to aquatic life.



STOT SE 3    H335-H336    May cause respiratory irritation. May cause drowsiness or dizziness.

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



C; Corrosive

R34:    Causes burns.



Xi; Irritant

R37:    Irritating to respiratory system.



N; Dangerous for the environment

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R50: Very toxic to aquatic organisms.

- **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.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

- **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**



This pictogram only applicable for EU regulations. Not for use in the United States (OSHA GHS).



GHS05 GHS07 GHS09

- **Signal word** Danger

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

ammonia, aqueous solution

- **Hazard statements**

H314 Causes severe skin burns and eye damage.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

- **Precautionary statements**

P260 Do not breathe mist/vapours/spray.

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

P273 Avoid release to the environment.

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.

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

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

- **Hazard description:**

- **WHMIS-symbols:**

D2B - Toxic material causing other toxic effects

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E - Corrosive material

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

|            |   |                |
|------------|---|----------------|
| HEALTH     | 3 | Health = 3     |
| FIRE       | 0 | Fire = 0       |
| REACTIVITY | 0 | Reactivity = 0 |

· **HMIS Long Term Health Hazard Substances**

None of the ingredients is listed.

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

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

|                                     |  |        |
|-------------------------------------|--|--------|
|                                     | ammonia, aqueous solution<br>C R34;  N R50<br>Skin Corr. 1B, H314<br>Aquatic Acute 1, H400 | 25-50% |
| CAS: 25322-68-3<br>NLP: 500-038-2   | polyethylene glycol<br>Xi R37<br>STOT SE 3, H335   | <1%    |
| CAS: 1333-86-4<br>EINECS: 215-609-9 | Carbon black<br>Xn R40<br>Carc. Cat. 3<br>Carc. 2, H351                                    | <1%    |

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

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## SECTION 4: First aid measures

### · 4.1 Description of first aid measures

#### · **General information:**

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

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; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

In case of irregular breathing or respiratory arrest provide artificial respiration.

#### · **After skin contact:**

Immediately remove any clothing soiled by the product.

Immediately rinse with water.

Seek immediate medical help for blistering or open wounds.

#### · **After eye contact:**

Protect unharmed eye.

Remove contact lenses if worn, if possible.

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

#### · **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

### · 4.2 Most important symptoms and effects, both acute and delayed

Headache

Coughing

Dizziness

Danger of severe eye injury.

May cause respiratory irritation.

Breathing difficulty

Strong caustic effect on skin and mucous membranes.

#### · **Hazards**

Danger of gastric perforation.

Danger of impaired breathing.

May cause respiratory irritation.

Possible risk of irreversible effects.

May be harmful if inhaled.

Vapours may cause drowsiness and dizziness.

Danger of severe eye injury.

### · 4.3 Indication of any immediate medical attention and special treatment needed

If necessary oxygen respiration treatment.

Medical supervision for at least 48 hours.

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## SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** None.
- **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:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** No further relevant information available.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.  
Ensure adequate ventilation
- **6.2 Environmental precautions:**  
Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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 disposal information.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Prevent formation of aerosols.  
Avoid splashes or spray in enclosed areas.  
Keep away from heat and direct sunlight.  
Use only in well ventilated areas.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

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- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidizing agents.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

### · **Ingredients with limit values that require monitoring at the workplace:**

#### **25322-68-3 polyethylene glycol**

|            |  |
|------------|--|
| WEEL (USA) | Long-term value: 10 mg/m <sup>3</sup><br>(H); MW>200 |
|------------|--|

#### **1333-86-4 Carbon black**

|             |  |
|-------------|--|
| PEL (USA)   | Long-term value: 3,5 mg/m <sup>3</sup>   |
| REL (USA)   | Long-term value: 3,5* mg/m <sup>3</sup><br>*0,1 in presence of PAHs; See Pocket Guide Apps.A+C |
| TLV (USA)   | Long-term value: 3* mg/m <sup>3</sup><br>*inhalable fraction                                   |
| EL (Canada) | Long-term value: 3 mg/m <sup>3</sup><br>IARC 2B  |
| EV (Canada) | Long-term value: 3,5 mg/m <sup>3</sup>   |

- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.
- **Additional information:** The lists valid during the making were used as basis.

### · **8.2 Exposure controls**

#### · **Personal protective equipment:**

#### · **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.

#### · **Respiratory protection:**

Not required under normal conditions of use.  
Use suitable respiratory protective device when high concentrations are present.  
Use suitable respiratory protective device when aerosol or mist is formed.  
For spills, respiratory protection may be advisable.

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- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**

Contact lenses should not be worn.



Safety glasses

- **Body protection:** Protective work clothing

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

No further relevant information available.

- **Risk management measures**

See Section 7 for additional information.

No further relevant information available.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Viscous liquid.

**Colour:** Black

- **Odour:** Not determined.

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

**Melting point/Melting range:** Not Determined.

**Boiling point/Boiling range:** Undetermined.

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Not applicable.

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- **Auto/Self-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower:** Not determined.
  - Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density:** Not determined.
- **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.
- **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid**  
Store away from oxidizing agents.  
Keep away from heat and direct sunlight.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Sulphur oxides (SO<sub>x</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

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## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

|                               |      |                   |
|-------------------------------|------|-------------------|
| <b>1333-86-4 Carbon black</b> |      |                   |
| Oral                          | LD50 | 10000 mg/kg (rat) |

- **Primary irritant effect:**

- **on the skin:** Caustic effect on skin and mucous membranes.

- **on the eye:** Strong caustic effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

Vapours have narcotic effect.

- **Acute effects (acute toxicity, irritation and corrosivity):** Irritating to respiratory system.

- **Repeated dose toxicity:** May cause damage to organs through prolonged or repeated exposure.

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:** Toxic for aquatic organisms

- **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.

- **Ecotoxicological effects:**

- **Remark:** Very toxic for fish

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. If the dilution of the use-level pH-value is considerably reduced, the aqueous waste, emptied into drains, is only low water-dangerous.

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

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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

## SECTION 13: Disposal considerations

### · 13.1 Waste treatment methods

#### · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

#### · Uncleaned packaging:

- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

### · 14.1 UN-Number

#### · DOT, ADR, IMDG, IATA

UN2672

### · 14.2 UN proper shipping name

#### · DOT

Ammonia solutions, mixture

#### · ADR

2672 AMMONIA SOLUTION, mixture,  
ENVIRONMENTALLY HAZARDOUS

#### · IMDG

AMMONIA SOLUTION, mixture, MARINE POLLUTANT

#### · IATA

AMMONIA SOLUTION, mixture

### · 14.3 Transport hazard class(es)

#### · DOT



#### · Class

8 Corrosive substances.

#### · Label

8

#### · ADR



#### · Class

8 (C5) Corrosive substances.

#### · Label

8

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· **IMDG**

· **Class** 8 Corrosive substances.  
· **Label** 8

· **IATA**

· **Class** 8 Corrosive substances.  
· **Label** 8  
· **14.4 Packing group**  
· **DOT, ADR, IMDG, IATA** III  
· **14.5 Environmental hazards:**  
· **Marine pollutant:** No  
Symbol (fish and tree)  
· **Special marking (ADR):** Symbol (fish and tree)  
· **14.6 Special precautions for user** Warning: Corrosive substances.  
· **Danger code (Kemler):** 80  
· **EMS Number:** F-A,S-B  
· **Segregation groups** Alkalis  
· **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  
· **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml  
· **Transport category** 3  
· **Tunnel restriction code** E

· **IMDG**

· **Limited quantities (LQ)** 5L  
· **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml  
· **UN "Model Regulation":** UN2672, AMMONIA SOLUTION, mixture, ENVIRONMENTALLY HAZARDOUS, 8, III

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## SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

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

None of the ingredients is listed.

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

ammonia, aqueous solution

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

ammonia, aqueous solution

25322-68-3 polyethylene glycol

1333-86-4 Carbon black

25265-77-4 2,2,4-trimethyl-1,3-pentanediol mono(2-methylpropanoate)

7732-18-5 water, distilled, conductivity or of similar purity

### · Proposition 65 (California):

#### · Chemicals known to cause cancer:

1333-86-4 Carbon black

#### · 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 is listed.

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

None of the ingredients is listed.

#### · Carcinogenic Categories

#### · EPA (Environmental Protection Agency)

None of the ingredients is listed.

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

1333-86-4 Carbon black

2B

#### · TLV (Threshold Limit Value established by ACGIH)

1333-86-4 Carbon black

A4

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

1333-86-4 Carbon black

#### · Canada

#### · Canadian Domestic Substances List (DSL)

ammonia, aqueous solution

25322-68-3 polyethylene glycol

1333-86-4 Carbon black

25265-77-4 2,2,4-trimethyl-1,3-pentanediol mono(2-methylpropanoate)

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|-------------------------------------|

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|           |   |
|-----------|---|
| 7732-18-5 | water, distilled, conductivity or of similar purity |
|-----------|---|

|   |
|---|
| <b>· Canadian Ingredient Disclosure list (limit 0.1%)</b> |
|---|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

|   |
|---|
| <b>· Canadian Ingredient Disclosure list (limit 1%)</b> |
|---|

|                           |
|---------------------------|
| ammonia, aqueous solution |
|---------------------------|

|   |
|---|
| <b>· Other regulations, limitations and prohibitive regulations</b> |
|---|

|  |
|--|
| This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. |
|--|

|  |
|--|
| <b>· Substances of very high concern (SVHC) according to REACH, Article 57</b> |
|--|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

|  |
|--|
| <b>· 15.2 Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out. |
|--|

|                                      |
|--------------------------------------|
| <b>SECTION 16: Other information</b> |
|--------------------------------------|

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.

|                           |
|---------------------------|
| <b>· Relevant phrases</b> |
|---------------------------|

|   |
|---|
| H314 Causes severe skin burns and eye damage. |
|---|

|  |
|--|
| H335 May cause respiratory irritation. |
|--|

|  |
|--|
| H351 Suspected of causing cancer. Route of exposure: Inhalative. |
|--|

|                                  |
|----------------------------------|
| H400 Very toxic to aquatic life. |
|----------------------------------|

|                   |
|-------------------|
| R34 Causes burns. |
|-------------------|

|                                       |
|---------------------------------------|
| R37 Irritating to respiratory system. |
|---------------------------------------|

|  |
|--|
| R40 Limited evidence of a carcinogenic effect. |
|--|

|                                      |
|--------------------------------------|
| R50 Very toxic to aquatic organisms. |
|--------------------------------------|

|                                      |
|--------------------------------------|
| <b>· Abbreviations and acronyms:</b> |
|--------------------------------------|

|  |
|--|
| 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 |
|---|

|  |
|--|
| GHS: Globally Harmonized System of Classification and Labelling of Chemicals |
|--|

|  |
|--|
| 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) |
|---|

|  |
|--|
| WHMIS: Workplace Hazardous Materials Information System (Canada) |
|--|

|                                       |
|---------------------------------------|
| DNEL: Derived No-Effect Level (REACH) |
|---------------------------------------|

|   |
|---|
| PNEC: Predicted No-Effect Concentration (REACH) |
|---|

|  |
|--|
| LC50: Lethal concentration, 50 percent |
|--|

|                               |
|-------------------------------|
| LD50: Lethal dose, 50 percent |
|-------------------------------|

|  |
|--|
| Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B |
|--|

|   |
|---|
| Carc. 2: Carcinogenicity, Hazard Category 2 |
|---|

|  |
|--|
| STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 |
|--|

|  |
|--|
| Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1 |
|--|

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**· Sources**

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