

## Safety data sheet

### according to UK REACH (SI 2020/1577) as amended

Printing date 19.02.2025

Version number 4 (replaces version 3)

Revision: 19.02.2025

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

- **1.1 Product identifier**
- **Trade name:** Scale Away
- **Registration number** Mixture
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Product category**  
PC35 Washing and cleaning products (including solvent based products)  
PC37 Water treatment chemicals
- **Application of the substance / the mixture** Scale inhibitor
- **Uses advised against** Any use not specified above.

- **1.3 Details of the supplier of the safety data sheet**

· **Supplier:**  
Complete Pool Controls Ltd  
Unit 2, The Park  
Stoke Orchard  
Bishops Cleeve  
Gloucestershire  
GL52 7RS  
UK

Tel: +44 (0)1242 662700 (office hours)  
email: sales@cpc-chemicals.co.uk

- **Further information obtainable from:** Product safety department.
- **1.4 Emergency telephone number:**  
OHES Environmental

Tel: 01242 300271  
Members of the public seeking specific information on poisons should contact:  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111

#### \* SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to GB-CLP**  
Met. Corr.1 H290 May be corrosive to metals.  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Dam. 1 H318 Causes serious eye damage.
- **2.2 Label elements**
- **Labelling according to GB-CLP** The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger

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

Etidronic acid  
Phosphoric acid

· **Hazard statements**

H290 May be corrosive to metals.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.

· **Precautionary statements**

P102 Keep out of reach of children.  
P234 Keep only in original packaging.  
P280 Wear protective gloves / eye protection / face protection.  
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.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P406 Store in a corrosion resistant container / container with a resistant inner liner.

· **The Detergents (Amendment) (EU Exit) Regulations 2020 / Labelling for contents**

|                          |           |
|--------------------------|-----------|
| phosphates, phosphonates | ≥5 - <15% |
|--------------------------|-----------|

· **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:**

|   |  |             |
|---|--|-------------|
| CAS: 7664-38-2<br>EINECS: 231-633-2<br>Index number: 015-011-00-6<br>Reg.nr.: 01-2119485924-24-XXXX | Phosphoric acid<br>⚠ Met. Corr.1, H290; Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302<br>Note: B<br>ATE: LD50 oral: 500 mg/kg<br>Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 %<br>Skin Irrit. 2; H315: 10 % ≤ C < 25 %<br>Eye Irrit. 2; H319: 10 % ≤ C < 25 % | 2.5 – < 10% |
| CAS: 2809-21-4<br>EINECS: 220-552-8<br>Reg.nr.: 01-2119519391-53-XXXX                               | Etidronic acid<br>⚠ Met. Corr.1, H290; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302  | 3 – 10%     |

· **Additional information:** For the wording of the listed hazard 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.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately rinse with water.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Check for and remove any contact lenses.  
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.  
If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
- **Information for doctor:** Treat symptomatically and supportively.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

#### \* 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.  
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)  
Phosphorous oxides  
Reacts with most metals to produce hydrogen gas, which can form explosive mixtures with air.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.  
Do not inhale explosion gases or combustion gases.
- **Additional information**  
Cool endangered receptacles with water spray.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

#### \* SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Particular danger of slipping on leaked/spilled product.

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· **6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.  
Do not allow to enter sewers/ surface or ground water.

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

Contain and collect spillage with non-combustible, absorbent material e.g.sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Lime slurry can be used to neutralize material (e.g. 10 - 50% potassium carbonate solution or 10 - 30% sodium carbonate solution).

Wash the area with plenty of water.

· **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**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.

Safety showers and eye wash facilities should be available at the work area.

· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.

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

Store away from oxidising agents.

Store away from metals.

· **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

· **Storage class:** 12

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

## \* SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

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

**CAS: 7664-38-2 Phosphoric acid**

|     |                                       |
|-----|---------------------------------------|
| WEL | Short-term value: 2 mg/m <sup>3</sup> |
|     | Long-term value: 1 mg/m <sup>3</sup>  |

· **DNELs**

**CAS: 7664-38-2 Phosphoric acid**

|            |                            |   |
|------------|----------------------------|---|
| Oral       | Long-term systemic effects | 100 µg/kg bw/day (general population)       |
| Inhalative | Long-term systemic effects | 4.57 mg/m <sup>3</sup> (general population) |
|            |                            | 10.7 mg/m <sup>3</sup> (worker)             |

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|  |                          |  |
|--|--------------------------|--|
|  | Long-term local effects  | 1 mg/m <sup>3</sup> (worker)               |
|  | Short-term local effects | 2 mg/m <sup>3</sup> (worker)               |
|  | Long-term local effects  | 360 µg/m <sup>3</sup> (general population) |

**CAS: 2809-21-4 Etidronic acid**

|            |                             |   |
|------------|-----------------------------|---|
| Oral       | Long-term systemic effects  | 1.7 mg/kg bw/day (general population)       |
|            | Short-term systemic effects | 1.7 mg/kg bw/day (general population)       |
| Dermal     | Long-term systemic effects  | 17 mg/kg bw/day (general population)        |
|            |                             | 34 mg/kg bw/day (worker)                    |
| Inhalative | Long-term systemic effects  | 2.95 mg/m <sup>3</sup> (general population) |
|            |                             | 12 mg/m <sup>3</sup> (worker)               |

**· PNECs**
**CAS: 2809-21-4 Etidronic acid**

|                         |                |
|-------------------------|----------------|
| Freshwater              | 68 µg/L        |
| Marine water            | 6.8 µg/L       |
| Sewage Treatment Plant  | 40 mg/L        |
| Sediment (freshwater)   | 136 mg/kg      |
| Sediment (marine water) | 13.6 mg/kg     |
| Soil                    | 10 mg/kg       |
| Secondary poisoning     | 3.7 mg/kg food |

**· Additional information:** The lists valid during the making were used as basis.

**· 8.2 Exposure controls**
**· Appropriate engineering controls** No further data; see section 7.

**· Individual protection measures, such as personal protective equipment**
**· General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with the eyes and skin.

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 eat, drink, smoke or sniff while working.

Do not carry product impregnated cleaning cloths in trouser pockets.

Ensure that eyewash stations and safety showers are close to the workstation location.

**· Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

**· Hand protection**


Protective gloves.

Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU).

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.

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· **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/face protection**



Tightly sealed goggles conforming to EN166.

· **Body protection:**



Impervious protective clothing

Body protection must be chosen depending on product properties, activity and possible exposure.

· **Environmental exposure controls** Do not allow to enter drains, sewers or watercourses.

· **Risk management measures** The operators shall be instructed adequately.

### \* SECTION 9: Physical and chemical properties

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

· **General Information**

|   |                         |
|---|-------------------------|
| · <b>Physical state</b>   | Liquid                  |
| · <b>Colour:</b>  | Light yellow            |
| · <b>Odour:</b>   | Mild                    |
| · <b>Odour threshold:</b>   | Not determined.         |
| · <b>Melting point/freezing point:</b>                            | Undetermined.           |
| · <b>Boiling point or initial boiling point and boiling range</b> | Undetermined.           |
| · <b>Flash point:</b>   | Not applicable.         |
| · <b>pH at 20 °C</b>  | 1.5                     |
| · <b>Solubility</b>   |                         |
| · <b>water:</b>   | Fully miscible.         |
| · <b>Density and/or relative density</b>                          |                         |
| · <b>Density at 20 °C:</b>  | 1.068 g/cm <sup>3</sup> |

· **9.2 Other information**

|  |   |
|--|---|
| · <b>Appearance:</b>   |   |
| · <b>Form:</b>   | Fluid   |
| · <b>Important information on protection of health and environment, and on safety.</b> |   |
| · <b>Ignition temperature:</b>   | Product is not self-igniting.                 |
| · <b>Explosive properties:</b>   | Product does not present an explosion hazard. |
| · <b>Solvent content:</b>  |   |
| · <b>VOC (EC)</b>  | 0.00 %  |

· **Information with regard to physical hazard classes**

|                               |      |
|-------------------------------|------|
| · <b>Explosives</b>           | Void |
| · <b>Flammable gases</b>      | Void |
| · <b>Aerosols</b>             | Void |
| · <b>Oxidising gases</b>      | Void |
| · <b>Gases under pressure</b> | Void |

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|   |                             |
|---|-----------------------------|
| · Flammable liquids   | Void                        |
| · Flammable solids  | Void                        |
| · Self-reactive substances and mixtures                                     | Void                        |
| · Pyrophoric liquids  | Void                        |
| · Pyrophoric solids   | Void                        |
| · Self-heating substances and mixtures                                      | Void                        |
| · Substances and mixtures, which emit flammable gases in contact with water | Void                        |
| · Oxidising liquids   | Void                        |
| · Oxidising solids  | Void                        |
| · Organic peroxides   | Void                        |
| · Corrosive to metals   | May be corrosive to metals. |
| · Desensitised explosives   | Void                        |

#### \* SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Exothermic reaction with alkalis
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong bases.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Phosphorus oxides (e.g. P<sub>2</sub>O<sub>5</sub>)  
Nitrogen oxides

#### \* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

##### · LD/LC50 values relevant for classification:

##### ATE (Acute Toxicity Estimates)

|      |      |                    |
|------|------|--------------------|
| Oral | LD50 | 37,560 mg/kg (rat) |
|------|------|--------------------|

##### CAS: 7664-38-2 Phosphoric acid

|        |      |                      |
|--------|------|----------------------|
| Dermal | LD50 | 2,740 mg/kg (rabbit) |
|--------|------|----------------------|

##### CAS: 2809-21-4 Etidronic acid

|      |      |                   |
|------|------|-------------------|
| Oral | LD50 | 1,878 mg/kg (rat) |
|------|------|-------------------|

|        |      |                        |
|--------|------|------------------------|
| Dermal | LD50 | > 5,000 mg/kg (rabbit) |
|--------|------|------------------------|

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.

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- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Subacute to chronic toxicity:** Prolonged or repeated skin contact may irritate and cause dermatitis.
- **11.2 Information on other hazards**

|  |
|--|
| · <b>Endocrine disrupting properties</b> |
|--|

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

### \* SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

|                                      |
|--------------------------------------|
| <b>CAS: 2809-21-4 Etidronic acid</b> |
|--------------------------------------|

|                                   |
|-----------------------------------|
| EC50 (96 h)   527 mg/l (Bacteria) |
|-----------------------------------|

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** Contains components with the potential to bioaccumulate.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### \* SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Recommended Hierarchy of Controls:

- Minimise waste;
- Reuse if not contaminated;
- Recycle, if possible; or
- Safe disposal (if all else fails).

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

Contact waste processors for recycling information.

Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

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- **Uncleaned packaging:**
- **Recommendation:**  
 Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.  
 Disposal must be made according to official regulations.  
 Container remains hazardous when empty. Continue to observe all precautions.  
 Containers, even those that are “empty,” may contain residues that can develop flammable and/or hazardous vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

#### SECTION 14: Transport information

|  |   |
|--|---|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b>   | UN3264  |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR/RID/ADN</b><br><br>· <b>IMDG, IATA</b>   | UN3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Etidronic acid, PHOSPHORIC ACID, SOLUTION)<br>CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Etidronic acid, PHOSPHORIC ACID, SOLUTION) |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR/RID/ADN</b><br><br><br>· <b>Class</b><br>· <b>Label</b>                      | 8 (C1) Corrosive substances.<br>8   |
| · <b>IMDG, IATA</b><br><br><br>· <b>Class</b><br>· <b>Label</b>   | 8 Corrosive substances.<br>8  |
| · <b>14.4 Packing group</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b>  | III   |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>   | No  |
| · <b>14.6 Special precautions for user</b><br>· <b>Hazard identification number (Kemler code):</b><br><br>· <b>Hazchem Code:</b><br>· <b>EMS Number:</b><br>· <b>Segregation groups</b><br>· <b>Stowage Category</b> | Warning: Corrosive substances.<br>80<br><br>2X<br>F-A,S-B<br>(SGG1) Acids<br>A  |

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|  |  |
|--|--|
| · Stowage Code   | SW2 Clear of living quarters.  |
| · Segregation Code   | SG36 Stow "separated from" SGG18-alkalis.<br>SG49 Stow "separated from" SGG6-cyanides                            |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable.  |
| · Transport/Additional information:                            |  |
| · ADR/RID/ADN  |  |
| · Limited quantities (LQ)                                      | 5L   |
| · Excepted quantities (EQ)                                     | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>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<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · UN "Model Regulation":                                       | UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (ETIDRONIC ACID, PHOSPHORIC ACID, SOLUTION), 8, III          |

## SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Poisons Act

- Regulated explosives precursors

|                                |     |
|--------------------------------|-----|
| CAS: 7664-38-2 Phosphoric acid | 30% |
|--------------------------------|-----|

- Regulated poisons

None of the ingredients are listed.

- Reportable explosives precursors

None of the ingredients are listed.

- Reportable poisons

None of the ingredients are listed.

- Control Of Major Accident Hazards Regulations 2015 (COMAH)

- Named dangerous substances - ANNEX I None of the ingredients are listed.

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

## SECTION 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.

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This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**

H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

· **Training hints**

This product should only be handled by workers who have received sufficient training in the safe handling and use of chemical products.

· **Department issuing SDS:** Product safety department.

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised 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)  
VOC: Volatile Organic Compounds (USA, EU)  
DNEL: Derived No-Effect Level (UK REACH)  
PNEC: Predicted No-Effect Concentration (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
ATE: Acute toxicity estimate values  
Met. Corr. 1: Corrosive to metals – Category 1  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

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