1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Code(s)  AB120732
Product name  Cyproheptadine hydrochloride

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use  For research use only
Uses advised against  No information available

1.3 Details of the supplier of the safety data sheet

Supplier  Abcam plc
330 Cambridge Science Park
Cambridge
CB4 0FL
UK
Tel: +44 (0)1223 696000
Fax: +44 (0)1223 215215

For further information, please contact:  technical@abcam.com

1.4 Emergency telephone number

Emergency telephone  - Tel: +44 (0)1223 696000 (08.00-17.00)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Property</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>Category 3</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Specific target organ systemic toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

2.2 Label elements
Signal Word
Danger

Hazard statements
H301 - Toxic if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

Precautionary Statements - EU (§28, 1272/2008)
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
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 to fresh air and keep at rest in a position comfortable for breathing
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapers/ spray
P280 - Wear protective gloves/ eye protection/ face protection
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P330 - Rinse mouth
P501 - Dispose of contents/ container to an approved waste disposal plant
P405 - Store locked up
P362 - Take off contaminated clothing and wash before reuse

2.3 Other information
Caution - substance not yet tested completely

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC-No</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Classification (Reg. 1272/2008)</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyproheptadine hydrochloride</td>
<td>-</td>
<td>41354-29-4</td>
<td>100</td>
<td>Acute Tox. 3 (H301) Eye Irrit. 2 (H319) STOT SE 3 (H335) Skin Irrit. 2 (H315)</td>
<td>no data available</td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures
General advice
When symptoms persist or in all cases of doubt seek medical advice.

Eye contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.

Skin contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Ingestion
Rinse mouth. Do not induce vomiting without medical advice. If symptoms persist, call a physician.

Inhalation
Move to fresh air. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Main symptoms
No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons
No information available.

5.2 Special hazards arising from the substance or mixture

Special hazard
Thermal decomposition can lead to release of toxic and corrosive gases/vapors.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with the skin and the eyes. Avoid dust formation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).
Cyproheptadine hydrochloride

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.

7.3 Specific end uses
Specific use(s) No information available.
Exposure scenario No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Exposure limits National occupational exposure limits
Derived No Effect Level No information available
Predicted No Effect Concentration No information available

8.2 Exposure controls
Engineering measures Ensure adequate ventilation, especially in confined areas.
Personal protective equipment
Eye protection Safety glasses with side-shields.
Hand protection Protective gloves.
Skin and body protection Long sleeved clothing.
Respiratory protection No special protective equipment required.
Thermal hazards No information available
Hygiene measures When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.
Environmental exposure controls Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Physical State @20°C Solid
Odor No information available
Appearance White

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
Cyproheptadine hydrochloride

Flammability Limits in Air
- upper flammability limit
- lower flammability limit

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No information available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Dimethylsulfoxide</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
</tr>
</tbody>
</table>

9.2 Other information
VOC Content(%) No information available

10. STABILITY AND REACTIVITY

10.1 Reactivity
No information available.

10.2 Chemical stability
Stable under normal conditions.

10.3 Precautionary Statements
None under normal processing.

10.4 Conditions to avoid
Heat, flames and sparks

10.5 Incompatible materials
None in particular

10.6 Hazardous decomposition products

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

**Acute toxicity**

**Product Information**
Product is harmful by ingestion. Irritating to skin, eyes and / or respiratory tract.

**Inhalation**
May cause irritation of respiratory tract.

**Eye contact**
May cause irritation.

**Skin contact**
May cause irritation.

**Ingestion**
Harmful if swallowed. Ingestion may cause irritation to mucous membranes.
Cyproheptadine hydrochloride

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyproheptadine hydrochloride</td>
<td>295 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Chronic toxicity**

**Corrosivity**
No information available.

**Sensitization**
No information available.

**Neurological effects**
No information available.

**Reproductive toxicity**
No information available.

**Mutagenic effects**
No information available.

**Target Organ Effects**
No information available.

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**Ecotoxicity effects**
As supplied, the preparation is not expected to present significant adverse environmental effects.

**12.2 Persistence and degradability**
No information available.

**12.3 Bioaccumulative potential**
No information available.

**12.4 Mobility in soil**
No information available.

**12.5 Results of PBT and vPvB assessment**
No information available.

**12.6 Other adverse effects**
No information available.

**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Waste from residues / unused products**
Dispose of in accordance with local regulations.

**Contaminated packaging**
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Cyproheptadine hydrochloride

Other information
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

ADR
Proper shipping name
Toxic solid, organic, n.o.s. (Cyproheptadine hydrochloride)
Hazard class
6.1
UN/ID No
2811
Packing group
III

IATA
Proper shipping name
Toxic solid, organic, n.o.s. (Cyproheptadine hydrochloride)
Hazard class
6.1
UN/ID No
2811
Packing group
III

DOT
Proper shipping name
Toxic solid, organic, n.o.s. (Cyproheptadine hydrochloride)
Hazard class
6.1
UN/ID No
2811
Packing group
III

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No information available.

15.2 Chemical Safety Assessment
No information available.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3
H301 - Toxic if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

Hazard statements
H301 - Toxic if swallowed
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H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

Revision Date
13-Jul-2015

Revision Note
not applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS