SAFETY DATA SHEET
TARGET EXTRA

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

1.1. Product identifier
Product name: TARGET EXTRA
Product number: A168 EV
Internal identification: Special

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Chlorine based Foam pressure washer Cleaner for Food Industry.

1.3. Details of the supplier of the safety data sheet
Supplier: Evans Vanodine International
Brierley Road
Walton Summit
Preston. UK. PR5 8AH
Tel: 01772 322 200
Fax: 01772 626 000
qclab@evansvanodine.co.uk

1.4. Emergency telephone number
Emergency telephone: New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website www.evansvanodine.co.uk) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards: Not Classified
Health hazards: Skin Corr. 1A - H314 Eye Dam. 1 - H318
Environmental hazards: Aquatic Chronic 3 - H412

2.2. Label elements
Pictogram

Signal word: Danger
Hazard statements: H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.
**TARGET EXTRA**

**Precautionary statements**
- P102 Keep out of reach of children.
- P260 Do not breathe mist.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P235+P410 Keep cool. Protect from sunlight.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ 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.
- P315 Get immediate medical advice/ attention.
- P501 Dispose of contents/ container in accordance with local regulations.

**Supplemental label information**
- EUH031 Contact with acids liberates toxic gas.

**Contains**
- SODIUM HYDROXIDE, SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE

**2.3. Other hazards**
This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>SODIUM HYDROXIDE</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 1310-73-2</td>
<td>EC number: 215-185-5</td>
</tr>
<tr>
<td>Spec Conc Limits: Skin Corr. 1A (H314) &gt;= 5 %, Skin Corr. 1B (H314) &gt;=2% &lt;5 %, Skin Irrit. 2 (H315) &gt;=0.5%&lt;2%, Eye Irrit. 2 (H319) &gt;=0.5% &lt;2%</td>
<td></td>
</tr>
</tbody>
</table>

**Classification**
- Skin Corr. 1A - H314
- Eye Dam. 1 - H318

<table>
<thead>
<tr>
<th>C10-16 ALKYL DIMETHYLAMINE OXIDE</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 70592-80-2</td>
<td>EC number: 274-687-2</td>
</tr>
<tr>
<td>M factor (Acute) = 1</td>
<td></td>
</tr>
</tbody>
</table>

**Classification**
- Acute Tox. 4 - H302
- Skin Irrit. 2 - H315
- Eye Dam. 1 - H318
- Aquatic Acute 1 - H400
- Aquatic Chronic 2 - H411
SECTION 4: First aid measures

4.1. Description of first aid measures

**Inhalation**
Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Ingestion**
Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

**Skin contact**
Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.

**Eye contact**
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

**General information**
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**
Irritation of nose, throat and airway.

**Ingestion**
May cause chemical burns in mouth and throat.

**Skin contact**
Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

**Eye contact**
Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor**
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

**Suitable extinguishing media**
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

**Specific hazards**
Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

5.3. Advice for firefighters
TARGET EXTRA

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Wear protective clothing, gloves, eye and face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep only in the original container in a cool, well-ventilated place. Protect from light. Store away from the following materials: Acids.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

See Product Information Sheet & Label for detailed use of this product.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Not relevant.

Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Wear protective gloves. Polyvinyl chloride (PVC).
TARGET EXTRA

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection
Respiratory protection not required.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear. Colourless.</td>
</tr>
<tr>
<td>Odour</td>
<td>Faint Characteristic Hypochlorite</td>
</tr>
<tr>
<td>pH</td>
<td>pH (diluted solution): 13.00 @ 3% v/v</td>
</tr>
<tr>
<td>Melting point</td>
<td>-2°C</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>102°C @ 760 mm Hg</td>
</tr>
<tr>
<td>Flash point</td>
<td>Boils without flashing.</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.105 @ 20°C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble in water.</td>
</tr>
</tbody>
</table>

9.2. Other information
Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
Generates toxic gas in contact with acid.

10.2. Chemical stability
Stability
Inadequately vented containers may become pressurised.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
See sections 10.1, 10.4 & 10.5

10.4. Conditions to avoid
Conditions to avoid
Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials
Materials to avoid
Strong acids. Aluminium, Tin, Zinc and their alloys.

10.6. Hazardous decomposition products
Hazardous decomposition products
Toxic chlorine gas can be released if heated. When heated, vapours/gases hazardous to health may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects
We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Acute toxicity - oral
Notes (oral LD₅₀)
Based on available data the classification criteria are not met.
ATE oral (mg/kg)  17,733.33

SECTION 12: Ecological Information

Ecotoxicity  Potentially hazardous due to the alkalinity of the product. Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity  We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

12.2. Persistence and degradability

Persistence and degradability  Sequestrant is readily degraded during biological effluent treatment processes.

12.3. Bioaccumulative potential

Bioaccumulative potential  The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility  Not known.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment  This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects  Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods  Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)  1719
UN No. (IMDG)  1719
UN No. (ICAO)  1719

14.2. UN proper shipping name

Proper shipping name (ADR/RID)  CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution & hypochlorite solution)
Proper shipping name (IMDG)  CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution & hypochlorite solution)
Proper shipping name (ICAO)  CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution & hypochlorite solution)

14.3. Transport hazard class(es)

ADR/RID class  Class 8: Corrosive Substances.
ADR/RID label  8
IMDG class  Class 8: Corrosive substances.
ICAO class/division

Class 8: Corrosive substances.

Transport labels

14.4. Packing group

ADR/RID packing group  II
IMDG packing group  II
ICAO packing group  II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS  F-A, S-B

Tunnel restriction code  (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant. for a packaged product.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

PBT:  Persistent, Bioaccumulative and Toxic substance.
vPvB:  Very Persistent and Very Bioaccumulative.
ATE:  Acute Toxicity Estimate.
ADR:  European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG:  International Maritime Dangerous Goods.
GHS:  Globally Harmonized System.
Spec Conc Limits = Specific Concentration Limits.
### TARGET EXTRA

| Classification abbreviations and acronyms | Acute Tox. = Acute toxicity  
Aquatic Acute = Hazardous to the aquatic environment (acute)  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)  
Eye Dam. = Serious eye damage  
Eye Irrit. = Eye irritation  
Met. Corr. = Corrosive to metals  
Skin Corr. = Skin corrosion  
Skin Irrit. = Skin irritation |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Key literature references and sources for data</td>
<td>Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&amp;L Inventory database.</td>
</tr>
<tr>
<td>Classification procedures according to Regulation (EC) 1272/2008</td>
<td>Calculation Method.</td>
</tr>
<tr>
<td>Revision comments</td>
<td>Addition of Environmental Statement(s) due to change in M-Factor of a Raw Material. &amp; Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&amp;16)</td>
</tr>
<tr>
<td>Revision date</td>
<td>05/09/2018</td>
</tr>
<tr>
<td>Revision</td>
<td>6</td>
</tr>
<tr>
<td>SDS status</td>
<td>The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.</td>
</tr>
</tbody>
</table>
| Hazard statements in full | 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.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects. |