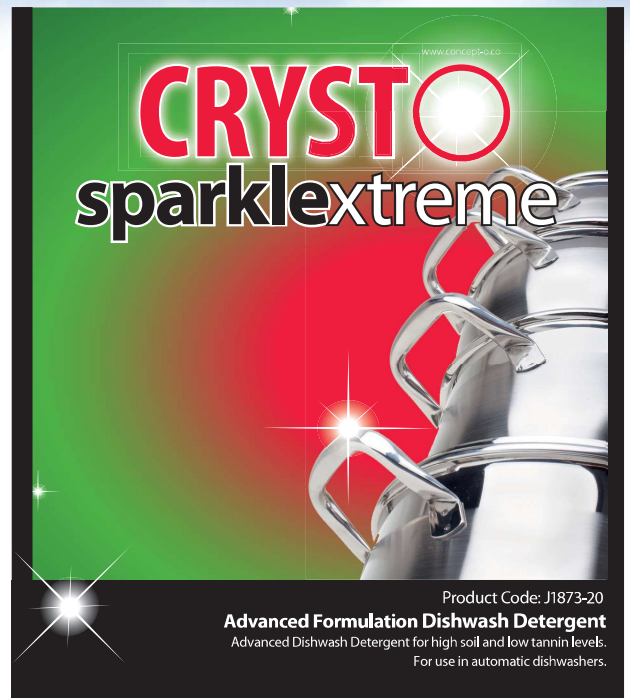


Product Information

J1849/J1873X-20

CRYSTO sparklxtreme Advanced formulation dishwash detergent



Why to use it

- For use in hard and soft water
- Inhibits tannin
- Non foaming
- Anti-corrosive protection
- Deep soil penetration
- Inhibits limescale

Where to use it

For use in most cabinet type dishwasher machines.

How to use it

Via auto dosing system, always follow machine manufacturer's instructions.

Hazard Symbols



IRRITANT

CORROSIVE

PPE Requirements



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name **CRYSTO sparkleXtreme**
Product No. **J1849/1873X-20**

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

Identified uses Dishwashing detergent

1.3. Details of the supplier of the safety data sheet

S&E CareTrade
Rathenraw Industrial Estate
Antrim, BT41 2SJ
United Kingdom
T: +44 28 94462233
E: msds@caretrade.co

1.4. Emergency telephone number

07788 309 810

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (67/548/EEC) C;R35.

2.2. Label elements

Contains SODIUM HYDROXIDE
Detergent Labelling: < 5% anionic surfactants
< 5% Phosphonates

Labelling



Corrosive (C)

Risk Phrases R35 Causes severe burns.
Safety Phrases S1/2 Keep locked up and out of the reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell
Seek medical advice immediately (show label where possible).

2.3. Other hazards

No other hazards known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not Applicable

3.2. Mixtures

| | |
|-------------------------------|-----------------------------|
| SODIUM HYDROXIDE | 10-30% |
| CAS-No.: 1310-73-2 | EEC (EINECS) No. 215-185-5 |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |

7.2. Conditions for safe storage, including any incompatibilities

Store in locked, well ventilated room and isolated from acids.

7.3. Specific end use(s)

See product label for detailed usage and instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

| Name | STD WEL | TWA - 8 Hrs | STEL - 15 Min 2 mg/m3 | Notes |
|------------------|------------|-------------|--------------------------|-------|
| SODIUM HYDROXIDE | | | | |

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Hand protection

Use protective gloves., Rubber (natural, latex)., Before removing gloves wash thoroughly with soap & water.

Eye protection

Use approved safety goggles or face shield.

Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|--------------------------|--------------------|
| Appearance | Clear, Liquid |
| Colour | Amber. |
| Odour | Odourless. |
| Relative density | 1.23 - 1.24@ 20 °c |
| pH-Value, Conc. Solution | >13.0 |

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal temperature conditions.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

Avoid contact with acids., Avoid contact with other chemicals.

10.5. Incompatible materials

Strong acids., Reacts strongly with light metals such as aluminium and zinc, producing hydrogen which is Highly Flammable.

10.6. Hazardous decomposition products

When heated, vapours/gases hazardous to health may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Avoid spilling, skin and eye contact., Personal protective equipment must be worn when handling this material.

7.2. Conditions for safe storage, including any incompatibilities

Store separated from:., Acids.

7.3. Specific end use(s)

See product label for detailed usage and instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

| Name | STD | TWA - 8 Hrs | STEL - 15 Min | Notes |
|------------------|-----|-------------|---------------|-------|
| SODIUM HYDROXIDE | WEL | | 2 mg/m3 | |

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



| | |
|------------------|--|
| Hand protection | Use protective gloves., Rubber (natural, latex). |
| Eye protection | Use approved safety goggles or face shield. |
| Other Protection | Wear suitable protective clothing as protection against splashing or contamination. |
| Hygiene measures | Wash hands at the end of each work shift and before eating, smoking and using the toilet., Wash promptly if skin becomes wet or contaminated., Promptly remove any clothing that becomes contaminated. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|--------------------------|--------------------|
| Appearance | Clear, Liquid |
| Colour | Amber. |
| Odour | Odourless. |
| Relative density | 1,13 - 1,14@ 20 °c |
| pH-Value, Conc. Solution | >13,0 |
| Flash point (°C) | N/A |

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal temperature conditions.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

Avoid contact with acids., Avoid contact with other chemicals.

10.5. Incompatible materials

Strong acids., Reacts strongly with light metals such as aluminium and zinc, producing hydrogen which is Highly Flammable.

10.6. Hazardous decomposition products

| | |
|---------------------------|--|
| Toxicological information | No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request. |
| Inhalation | Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness. |
| Ingestion | Causes severe burns., Harmful if swallowed. |
| Skin contact | Causes severe burns. |
| Eye contact | Causes severe burns., Risk of serious damage to eyes. |

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Not classed as Hazardous to the Environment but release to the environment should be avoided.

12.2. Persistence and degradability

Degradability The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

Mobility: The product contains substances, which are water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or PvB substances

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction., Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General Derogation for Limited Quantities may be applicable to appropriate pack sizes, please check relevant modal legislation.

14.1. UN number

| | |
|----------------------|------|
| UN No. (ADR/RID/ADN) | 1824 |
| UN No. (IMDG) | 1824 |
| UN No. (ICAO) | 1824 |

14.2. UN proper shipping name

Proper Shipping Name: SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

| | |
|---------------------|--------------------------------|
| ADR/RID/ADN Class | 8 |
| ADR/RID/ADN Class | Class 8: Corrosive substances. |
| IMDG Class | 8 |
| ICAO Class/Division | 8 |

Transport Labels



14.4. Packing group

ADR/RID/ADN 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

Tunnel Restriction Code E

SECTION 15: REGULATORY INFORMATION

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

| | |
|---------------------------|--|
| UK Regulatory References | The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. |
| Environmental Listing | Rivers (Prevention of Pollution) Act 1961., Control of Pollution (Special Waste Regulations) Act 1980. |
| Statutory Instruments | The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). |
| Approved Code Of Practice | Classification and Labelling of Substances and Preparations Dangerous for Supply. |
| Guidance Notes | Workplace Exposure Limits EH40., CHIP for everyone HSG(108). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments., Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. |
| EU Legislation | |
| National Regulations | The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007). |

15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

SECTION 16: OTHER INFORMATION

General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision Date 20/02/2013

Revision 7

Risk Phrases In Full R35 Causes severe burns.]

Hazard Statements In Full H314 Causes severe skin burns and eye damage.