

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Crystal Super

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

- Use of the substance/mixture: Rinse Aid
- Dishwasher rinse aid.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Wickham Industries Limited
- Address of Supplier: Unit 2, Sherburn Network Centre
Lancaster Close, Sherburn in Elmet
Leeds, West Yorkshire, LS25 6NS
- Telephone: +44(0)1977 682266
- Fax: +44(0)1977 682267
- Email: Info@wickhamindustries.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44(0)1977 682266

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Flam. Liq. 2, Acute Tox. 4, Eye Irrit. 2, STOT SE 3

2.2 Label elements



GHS02



GHS07

- Signal Word: Danger

Hazard statements

- H226 - Flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H319 - Causes serious eye irritation.
- EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary statements

- P102 - Keep out of reach of children.
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 - Keep container tightly closed.
- P370+P378 - In case of fire: Use dry foam, alcohol resistant foam, Co2 to extinguish.
- P501 - Dispose of contents/container to an authorised waste collection point

2.3 Other hazards

- No additional information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Fatty alcohol alkoxylate 4

SECTION 3: Composition/information on ingredients (....)

CAS Number:
EC Number:
Concentration: 20-30%
Categories: Acute Tox. 4; Eye Irrit. 2; Aquatic Chronic 3

propan-2-ol; isopropyl alcohol; isopropanol

CAS Number: 67-63-0
EC Number: 200-661-7
Concentration: 20-30%
Categories: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3
Symbols: GHS02;GHS07
H Statements: H225;H336;H319

SECTION 4: First aid measures**4.1 Description of first aid measures****Contact with eyes**

Immediately rinse with water. Continue to rinse for at least 15 minutes. Obtain medical attention immediately.

Contact with skin

Remove contaminated clothing. Rinse with water. Contact physician if discomfort continues.

Ingestion

DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately.
Harmful if swallowed.

Inhalation

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

4.2 Most important symptoms and effects, both acute and delayed**Contact with eyes**

Causes serious eye irritation.

Contact with skin

Prolonged or repeated exposure may cause irritation.
Repeated exposure may cause skin dryness or cracking.

Inhalation

Vapour from this chemical can be hazardous when inhaled. May cause drowsiness and dizziness.

Ingestion

Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

- Refer to section 4.1.
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Carbon dioxide (CO₂). Alcohol resistant foam. Dry chemicals, sand, dolomite etc. Water spray. Do not use water jet

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire
- Solvent vapours may form explosive mixtures with air.

5.3 Advice for firefighters

SECTION 5: Firefighting measures (....)

- Substance evolves toxic fumes, wear self-contained breathing apparatus
 - Wear self-contained breathing apparatus. Keep run-off water out of sewers and water sources.
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SECTION 6: Accidental release measures**Spillage causes slippery surface****6.1 Personal precautions, protective equipment and emergency procedures**

- Wear protective clothing as per section 8

6.2 Environmental precautions

- Do not empty into drains

6.3 Methods and material for containment and cleaning up

- In case of leakage, eliminate all ignition sources.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Ensure adequate ventilation
- Wear protective clothing as per section 8
- Absorb spillage in earth or sand
- Collect spillage.
- Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

6.4 Reference to other sections

- See section 8 for further information on personal protective equipment. See section 13 for disposal.
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SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Provide good ventilation.
- Avoid spilling, skin and eye contact. Avoid inhalation of vapours.

7.2 Conditions for safe storage, including any incompatibilities

- Keep in cool, dry, ventilated storage and closed containers. Use flammable liquid storage requirements.

7.3 Specific end use(s)

- Dishwasher rinse aid.
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters****propan-2-ol; isopropyl alcohol; isopropanol**

WEL (long term): 400ppm

WEL (short term): 500ppm

8.2 Exposure controls**Gloves****Goggles**

- APPROPRIATE ENGINEERING CONTROLS: Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.
 - VENTILATION: Provide sufficient ventilation during operations which cause vapour formation.
 - PROCESS CONDITIONS: Provide eyewash station. Protect against static discharge.
 - RESPIRATORS: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Workplace Exposure Limit (WEL).
 - PROTECTIVE GLOVES: Chemical resistant gloves required for prolonged or repeated contact.
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SECTION 8: Exposure controls/personal protection (....)

- EYE PROTECTION: Wear approved chemical safety goggles where eye exposure is reasonably probable.
 - HYGIENIC WORK PRACTICES: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated.
 - ENVIRONMENTAL EXPOSURE CONTROLS: No additional information available.
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: Liquid
- Colour: Blue
- Odour: Alcohol odour
- pH: 6-9
- Specific Gravity: 0.97 g/cm³
- Solubility in water: Miscible with water
- Boiling Point (°C, interval): 82-100
- Melting / Freezing Point: <0
- Vapour Pressure: 3.5 kPa @ 20°C
- Flash Point (°C): 58 Closed Cup
- Autoignition Temperature: N/D
- Flammability Limit - Lower (%): N/D
- Flammability Limit - Upper (%): N/D

9.2 Other information

- No additional information available.
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SECTION 10: Stability and reactivity**10.1 Reactivity**

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

- Strong acids. Strong alkalis. Strong oxidising agents.

10.6 Hazardous decomposition products

- No hazardous decomposition products known
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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

- HEALTH HAZARDS, GENERAL: Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Vapour from this chemical can be hazardous when inhaled. May cause drowsiness and dizziness.

Ingestion

Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Harmful if swallowed.

SECTION 11: Toxicological information (....)**Contact with skin**

Prolonged or repeated exposure may cause irritation.

Contact with eyes

Causes serious irritation

SECTION 12: Ecological information**12.1 Toxicity****Fatty alcohol alkoxylate 4**

EC₅₀ (daphnia): 1-10 mg/l (48 hr)

LC₅₀ (fish): 1-10 mg/l (96 hr)

Do not allow to enter soil, waterways or sewer.

12.2 Persistence and degradability

- No additional information available.

12.3 Bioaccumulative potential

- The product is not expected to bioaccumulate.

12.4 Mobility in soil

- miscible with water

12.5 Results of PBT and vPvB assessment

- No additional information available.

12.6 Other adverse effects

- No other effects known.
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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

- Dispose of contents/container to an authorised waste collection point
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SECTION 14: Transport information

Flammable Liquid

14.1 UN number or ID number

- UN No.: 1987

14.2 UN proper shipping name

- Proper Shipping Name: ALCOHOLS, N.O.S. (Contains Propan-2-ol)

14.3 Transport hazard class(es)

- Hazard Class: 3

14.4 Packing group

- Packing Group: III

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

SECTION 14: Transport information (....)

- Limited Quantity
- 5Litres

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**14.8 Sea (IMDG)**

- IMDG UN No.: 1987
- IMDG Hazard Class: 3
- IMDG Pack Group.: III
- IMDG EmS: F-E, S-D

14.9 Air (ICAO/IATA)

- ICAO UN No.: 1987
- ICAO Hazard Class: 3
- ICAO Packing Group: III

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations. Chemicals (Hazard Information & Packaging) Regulations (CHIP). European Regulation (EC) No 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). European Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (CLP), adopting in the EU the Globally Harmonised System (GHS).
- GUIDANCE NOTES: Occupational Exposure Limits EH40.

15.2 Chemical safety assessment

- Not required.

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.

This 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. Such information is, to the best of the company's knowledge and belief accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves of such information for their own particular use.

--- end of safety datasheet ---
