SAFETY DATA SHEET
CRYSTAL RINSE

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Crystal Rinse **Product code:** CRYS

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

Acidic polymer rinse-professional use.

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

Rinse additive/descaler for carpet cleaning equipment

1.3 Details of the supplier of the safety data sheet

SUPPLIER: Solution World of Clean Ltd
Unit 1 Warren Road
Indian Queens
Cornwall TR9 6TL
UK
+44(0)1209 204343

1.4 Emergency telephone number

Tel: +44 (0)1209 204343

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP Regs.: Eye irrit. 2 H319

2.2 Label elements

Label elements under CLP:

Hazard pictograms: GHS07



Signal Word: Warning

Hazard Statements: H319: Causes serious eye irritation.

Precautionary statements: PREVENTION: Wear protective gloves, clothing and eye protection. Wash hands thoroughly after handling

RESPONSE: IF ON SKIN**:** Wash immediately with soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse.

2.3 Other hazards

PBT: this material does not contain any substance identified as a PBT or vPvB substance

3. Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Mixture containing classified and unclassified components.

Hazardous ingredients:

CAS	EINECS	Classification CLP	Concentration %w/w
Ionic solution of hydrochloric acid complexed with urea.			
		Ac. Tox. 4 H302; Skin irrit. 2 H315; Eye dam. 1 H318	2-5
Ethoxylated alcohol C 9-11			
68439-46-3		Eye dam.1 H318: Acute tox. 4 H302	1-3
2-Propenoic acid, 2-methyl, homopolymer			
25087-26-7		Eye irrit. 2. H319	0-1

See section 16 for full text of H statements

4. First aid measures

4.1 Description of first aid measures

Eye contact: Flush with clean water for at least 15 minutes. Seek medical advice.

Skin contact: Remove at once all contaminated clothing. Wash area with soap and water. Seek medical advice if irritation persists.

Ingestion: DO NOT induce vomiting. Give water to drink and seek immediate medical attention.

Inhalation: Remove from exposure, keep warm and at rest. If symptoms persist get medical attention.

4.2 Most important symptoms and effects both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Get medical attention promptly if symptoms occur after washing.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Product is not flammable. Choice of extinguisher should be based on source of fire and other materials present.

Unsuitable agents:

5.2 Special hazards arising from the substance or mixture

Irritating/toxic fumes including oxides of carbon may be produced on thermal decomposition.

5.3 Advice for firefighters

Self-contained breathing apparatus and full protective clothing should be worn.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid raising dust. Avoid contact with eyes and skin. Wear protective clothing described in section 8.

6.2 Environmental precautions

Significant discharge into drains or water courses should be notified to the appropriate authority.

6.3 Methods and material for containment and cleaning up

Small spillages may be swept up and placed in closed container. Larger spillages should be contained, collected and transferred to plastic container for disposal in accordance with local regulations.

6.4 Reference to other sections

See section 8 for protective equipment, section 7 for handling and section 13 for disposal.

7. Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid creating mist

7.2 Conditions for safe storage, including any incompatibilities

Store in original container, tightly closed. Keep in a dry place below 40°C.

7.3 Specific end use

See section 1

8. Exposure controls/personal protection

8.1 Control parameters

Substances assigned Workplace Exposure Limits

Name	type	Long term (8hr TWA)	Short term (15mins)

None

8.2 Exposure controls

Engineering measures: Ensure good ventilation.

Hands: Wear rubber or PVC gloves if skin contact is unavoidable.

Eyes: Safety goggles.

Skin: Appropriate workwear to prevent skin contact.

Respiratory: Avoid working in spray mist. Exposure limits apply to exposure by inhalation and are unlikely to be reached in normal use.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: clear liquid, colourless to pale amber.
Odour: bouquet
Density at 20°C: >1.0kg/ltr
Solubility: Completely soluble in water.
pH: 2.0-3.0
Flash point: N/A
Boiling point/range: N/A
Vapour pressure: N/A
Oxidising: No

9.2 Other information

No further relevant information

10.Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Extremes of temperature.

10.5 Incompatible materials

Strong alkali, reducing agents and oxidising agents.

10.6 Hazardous decomposition products

Irritating/toxic fumes including oxides of carbon may be produced on thermal decomposition.

11.Toxicological information

11.1 Information on toxicological effects.

Eyes: Irritation, redness and watering.
Skin: Irritation, redness.
Ingestion: Irritation to throat and mouth, abdominal discomfort
Inhalation: Coughing, shortness of breath, irritation to membranes of nose and throat.
Toxic dose LD50 (oral, rat): Ethoxylated alcohol C 9-11 200-2000mg/kg
Ionic solution of hydrochloric acid complexed with urea 1209mg/kg (oral, rat).

12.Ecological information

12.1 Toxicity

Ecotoxicity of ingredients:
Ethoxylated alcohol C 9-11 LC50 1-100mg/l (Fish, 96 hrs), EC50 1-100mg/l(Daphnia, 48 hrs).
Ionic solution of hydrochloric acid complexed with urea LC50 142mg/l (96hr, Rainbow trout).

12.2 Persistence and degradability

The product is biodegradable.

12.3 Bioaccumulative potential

Not expected to bioaccumulate.

12.4 Mobility in soil

Soluble in water.

12.5 Results of PBT and vPvB assessment

No components classed as PBT/vPvB by current criteria.

12.6 Other adverse effects

Uncontrolled discharge into water courses may cause adverse effects.

13.Disposal considerations

13.1 Waste treatment methods

Comply with local regulations. Do not allow concentrate to enter water systems.

14.Transport information

14.1 UN Number

Not classified as hazardous for transport.

14.2 UN Proper shipping name

Not classified as hazardous for transport.

14.3 Transport hazard class(es)

Not classified as hazardous for transport.

14.4 Packing group

Not classified as hazardous for transport.

14.5 Environmental hazards

Not classified as hazardous for transport.

14.6 Special precautions for user

No further relevant information.

15.Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture
The Classification, Labelling and Packaging of Chemicals Regulations apply in the UK.

Detergent Regulations: Contains less than 5% non-ionic surfactants, perfumes.
Contains no REACH substances with Annex XVII restrictions. Contains no substances in the REACH candidate list. Contains no REACH Annex XIV substances.
Contains no substance subject to Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals.
Contains no substances subject to Regulation (EU) No 1021/2019 on persistent organic pollutants.

15.2 Chemical safety assessment
A chemical safety assessment has not been carried out for this product.

16.Other information

This safety data sheet has been prepared according to EU Commission Regulation 453/2010
The information supplied in this document is based on our present state of knowledge and is given in good faith. It is not intended and should not be construed as a specification or guarantee of specific properties. The responsibility remains with the user to comply with all relevant laws, regulations and directives, to make their own assessment of workplace risks and to determine the suitability of the product for a particular use or application.

The hazards information in this data sheet refers to the material as supplied and not to any subsequent dilution or mixture.
The full text of the H statements referred to in section 3 are shown below. These classifications apply to the ingredients, in their concentrated form, which contribute to the classification of the product or mixture.

H302: Harmful if swallowed. H315: Causes skin irritation H318: Causes serious eye damage.H319: Causes serious eye irritation.

Abbreviations and acronyms

ADR **European Agreement concerning the International Carriage of Goods by Road**
CAS **Chemical Abstracts Service**
CHIP **Chemicals (Hazard Information and Packaging) Regulations – Directives 1999/45.EC and 67/548/EC**
CLP **Classification and Labelling of Chemicals – Regulation (EC) No. 1272/2008**
CMR **Carcinogenic-mutagenic-toxic for reproduction**
DNEL **Derived No Effect Level**
EINECS **European Inventory of Existing Commercial Chemical Substances**
GHS **Globally Harmonised System of Classification and Labelling of Chemicals**
IATA **International Air Transport Association**
IMDG **International Maritime Dangerous Goods Code**
LC50 **Lethal Concentration, 50%**
LD50 **Lethal Dose, 50%**
NOEC **No Observed Effect Concentration**
OEL **Occupational Exposure Limit**
PBT **Persistent, Bioaccumulative, Toxic**
PNEC **Predicted No Effect Concentration**
vPvB **very Persistent, very Bioaccumulative**
RID **Convention concerning International Carriage by Rail**
WEL **Workplace Exposure Limit**
VOC **Volatile Organic Compound**