



Product
Supersedes: Version 1 dated 01-2005

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Version: 2

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Date Prepared: 21.10.2011

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

- 1.1. Product identifier** Crystal Spray
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Uses: Cleaning crystal light fittings
Not to be used for: None specified.
- 1.3. Details of the supplier of the safety data sheet**
- | | |
|---------------------------|-----------------------------------|
| Company Identification | Town Talk Polish Co. Ltd |
| Address and Telephone No. | Slater Lane
Bolton
BL1 2TQ. |
| Telephone No. | +44 (0) 1204 520014 |
| Fax No. | +44 (0) 1204 362778 |
| Contact: | Products@towntalkpolish.com |
- 1.4. Emergency telephone number** +44 (0) 1204 529981
9.00am - 5.00pm Monday- Friday UK time

SECTION 2. HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture**
Not classified as hazardous
- 2.2. Label elements**
None required
- Supplemental Information**
None.
- 2.3. Other hazards**
Does not fulfil the criteria for classification as PBT or vPvB.



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Contains: Under EU Dangerous Preparations Directive EC1999/45

Ingredient	CAS Number/ EC Number	REACH Registration Number	%	Symbol	Risk Phrases
Ethanol *	64-17-5/ 200-578-6	Not yet available	1 - 5	F	11
Methanol *	67-56-1/ 200-659-6	01-2119433307-44	< 1	F, T	11-23/24/25- 39/23/24/25
Ammonia solution *	1336-21-6 / 215-647-6	Not yet available	< 1	C, N	34-37-50

* Subject to UK exposure limit - See Section 8.

For full wording of Risk phrases see Section 16.

SECTION 4. FIRST-AID MEASURES

4.1. Description of first aid measures

Skin contact

Remove contaminated clothing and lauder before reuse.
Wash well with plenty of water. If symptoms develop seek medical advice.

Eye contact

If safe to do so, remove contact lenses. Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open. If symptoms develop seek medical advice.

Ingestion

Rinse mouth out with water. DO NOT induce vomiting. If symptoms develop seek medical advice.

Inhalation

In case of excessive exposure, move victim to fresh air. If symptoms develop seek medical advice.

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

May cause mild, transient skin and eye irritation. Ingestion of excessive amounts may cause blindness due to methanol.

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

None other than above.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

- Suitable

Use any appropriate to surrounding materials

- Not to be used

None

5.2. Special hazards arising from the substance or mixture

May evolve fumes of ammonia in fire.

5.3. Advice for fire fighters

None.



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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear gloves.

6.2. Environmental precautions

Prevent entry into water courses or drainage systems.

6.3. Methods and material for containment and cleaning up

- on soil

Physically collect containers. Absorb spilled liquid onto inert absorbent (eg vermiculite, dry sand or earth), then dispose of according to local regulations. Flush area clean with lots of water.

- on water

Physically collect containers. In case of large spills inform relevant local authorities.

6.4. Reference to other sections

See Section 8 for details of protective equipment.
See Section 13 for details of disposal.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from children. Avoid contact with eyes. Handle and open containers carefully. Do not eat, drink or smoke whilst using this product. Read and follow manufacturer's use recommendations.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool place in original containers. Keep container closed when not in use.

7.3. Specific end use(s)

Cleaning crystal light fittings.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredient	Occupational Exposure Levels				Reference
	8h -TWA		Short-term		
	ppm	mg/m ³	ppm	mg/m ³	
Ethanol	1000	1920	-	-	UK (WEL) EH40
Methanol	200	266	250	333	Absorbed by skin UK (WEL) EH40
Ammonia, anhydrous	25	18	35	25	UK (WEL) EH40

Monitoring procedures

None specified



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8.2. Exposure Controls

Recommended engineering controls None required.

Personal protection

Always check applicability with your supplier of protective equipment.

- | | |
|--------------------------|---|
| - Respiratory protection | None required |
| - Skin protection | None required |
| - Eye protection | For prolonged or repeated contact, wear chemically protective goggles or glasses |
| - Hand protection | For prolonged or repeated contact, wear Latex, Nitrile or PVC gloves. (Break-through times can vary depending on thickness, use and source. Change gloves regularly.) |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear, colourless liquid
Odour	Mildly acloholic
Odour Threshold Value:	Not determined
pH (Concentrate)	Not determined
Melting point (°C)	Not determined
Boiling point/range (°C)	Not determined
Flash point (°C)	Not determined
Evaporation rate	Not determined
Flammability	Not a flammable solid
Explosive properties/limits	Not determined
Vapour pressure (mbar at 25°C)	Not determined
Vapour density	Not determined
Density at 20°C (kg/m ³)	Not determined
Solubility in water (% by weight)	Miscible
Solubility in solvents	Not miscible
Partition coefficient (log P _{ow})	Not determined
Auto-ignition temperature (°C)	Not determined
Decomposition temperature (°C)	Not determined
Viscosity (cPs @ 20°C)	Not determined
Oxidising properties	Not determined - no ingredients possess this property

9.2. Other information

Note: These are typical values and do not constitute a specification.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable product under recommended storage and handling conditions.

10.2. Chemical stability

Stable product under recommended storage and handling conditions.



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10.3. Possibility of hazardous reactions	Stable product under recommended storage and handling conditions.
10.4. Conditions to avoid	High temperatures.
10.5. Incompatible materials	None known.
10.6. Hazardous decomposition products	May evolve fumes of ammonia in fire. Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available on product but, based on ingredients, does not fulfil any of the EU DPD criteria for being hazardous to health.

(a) acute toxicity	Reason for no classification: Data conclusive but not sufficient for classification.
(b) skin corrosion/irritation	Reason for no classification: Data conclusive but not sufficient for classification.
(c) serious eye damage/irritation	Reason for no classification: Data conclusive but not sufficient for classification.
(d) respiratory or skin sensitisation	Reason for no classification: Data conclusive but not sufficient for classification.
(e) germ cell mutagenicity	Reason for no classification: Data conclusive but not sufficient for classification.
(f) carcinogenicity	Reason for no classification: Data conclusive but not sufficient for classification.
(g) reproductive toxicity	Reason for no classification: Data conclusive but not sufficient for classification.
(h) STOT-single exposure	Reason for no classification: Data conclusive but not sufficient for classification.
(i) STOT-repeated exposure	Reason for no classification: Data conclusive but not sufficient for classification.
(j) aspiration hazard	Reason for no classification: Data conclusive but not sufficient for classification.

Likely routes of exposure

Contact with skin and eyes.

Symptoms related to the physical, chemical and toxicological characteristics

May cause mild, transient skin and eye irritation. If excessive amounts swallowed may cause blindness.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

As above.

Other information

None



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SECTION 12. ECOLOGICAL INFORMATION

No data available on product but, based in ingredients, is not classified under EU rules as dangerous to the environment.

- | | |
|--|--|
| 12.1. Toxicity | Not classified as toxic. |
| 12.2. Persistence and degradability | Not classified as having any long-term adverse effects in the aquatic environment. |
| 12.3. Bioaccumulative potential | Not determined. |
| 12.4. Mobility in soil | Not determined. |
| 12.5. Results of PBT and vPvB assessment | Does not fulfil the criteria for classification as PBT or vPvB. |
| 12.6. Other adverse effects | None known. |

SECTION 13. DISPOSAL CONSIDERATIONS

- | | |
|-------------------------------|--|
| 13.1. Waste treatment methods | |
| Disposal of product | Controlled Waste. Dispose of according to local regulations. |
| Disposal of packaging | Controlled Waste. Dispose of according to local regulations. |

SECTION 14. TRANSPORT INFORMATION

- | | |
|--|----------------|
| 14.1. UN number | None |
| 14.2. UN proper shipping name | None |
| 14.3. Transport hazard class(es) | None |
| 14.4. Packing group | None |
| 14.5. Environmental hazards | None |
| 14.6. Special precautions for user | None |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable |

Does not fulfil any of the criteria for classification as dangerous for transport.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Control of Substances Hazardous to Health Regulations 2002

15.2. Chemical Safety Assessment
A Chemical Safety Assessment has not been carried out on this mixture.



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SECTION 16. OTHER INFORMATION

Inventories - All ingredients listed in EINECS.

Sources of data used in this SDS

Suppliers data sheets

In-house data files

Literature such as Sax's Dangerous Properties of Industrial Materials, the RSC Dictionary of Substances and their Effects, RTECS

CLP Annex VI Table 3.2

EH40 (HSE)

Version number	2
Date prepared	21 October 2011
Supersedes Version	1 dated 01-2005
Revisions marked with in the left margin.	None marked
Nature of revision	Complete rewrite to REACH format

Mixture classified under Dangerous Preparations Directive EC1999/45 by calculation based on ingredient information.

R-phrases used in Section 3 of this document

R11	Highly flammable
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R34	Causes burns
R37	Irritating to respiratory system
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R50	Very toxic to aquatic organisms

Based on EU Regulation 1907/2006 as amended by Regulation 453/2010

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