

SAFETY DATA SHEET



Cookson Electronics ASSEMBLY MATERIALS

Cleaner F5 Express 280ml

1. Identification of the preparation and of the company

Product name : Cleaner F5 Express 280ml**Code** : 58230**Head Office** : **Cookson Electronics**
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Fax: +44(0)1483 728837**Contact person** : shosken@cooksonelectronics.com**Material uses** : Water treatment agent.

2 Hazards identification

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Not classified.**Effects and symptoms**

Skin contact : Slightly hazardous by the following route of exposure: of skin contact (irritant).

Eye contact : Slightly hazardous by the following route of exposure: of eye contact (irritant).

Toxicity data : Not available.

Additional warning phrases : Safety data sheet available for professional user on request.

See section 11 for more detailed information on health effects and symptoms.

3 Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	%	EC number	Classification
Europe benzotriazole	95-14-7	1 - 5	202-394-1	Xn; R22 Xi; R36 R52/53
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

The classifications listed, indicate the potential hazards of the ingredients

4. First-aid measures

First-aid measures**Inhalation** : Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. The exposed person may need to be kept under medical surveillance for 48 hours.**Date of issue** : 20/01/2012.

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4. First-aid measures

- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.
- Skin contact** : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.
- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : In a fire or if heated, a pressure increase will occur and the container may burst. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
phosphorus oxides
halogenated compounds
metal oxide/oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal precautions** : Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Large spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.
- Small spill** : Dilute with plenty of water.

7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Empty containers retain product residue and can be hazardous.
- Storage** : Store in accordance with local regulations. Store in original container, protected from direct sunlight. Use appropriate containment to avoid environmental contamination.
- Packaging materials**
- Recommended** : Use original container.
- Czech Republic - Storage code** : III

8. Exposure controls/personal protection

Exposure limit values

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
Europe No exposure limit value known.	
Sweden No exposure limit value known.	
Denmark No exposure limit value known.	
Norway propane-1,2-diol	Arbeidstilsynet (Norway, 11/2007). TWA: 79 mg/m ³ 8 hour(s). TWA: 25 ppm 8 hour(s).
France No exposure limit value known.	
Netherlands No exposure limit value known.	
Germany No exposure limit value known.	
Finland No exposure limit value known.	
United Kingdom (UK) propane-1,2-diol	EH40/2005 WELs (United Kingdom (UK), 8/2007). TWA: 10 mg/m ³ 8 hour(s). Form: Particulate TWA: 474 mg/m ³ 8 hour(s). Form: Sum of vapour and particulates TWA: 150 ppm 8 hour(s). Form: Sum of vapour and particulates
Austria No exposure limit value known.	
Switzerland No exposure limit value known.	
Belgium No exposure limit value known.	
Spain No exposure limit value known.	
Turkey No exposure limit value known.	
Czech Republic No exposure limit value known.	
Ireland propane-1,2-diol	NAOSH (Ireland, 8/2007). OELV-8hr: 10 mg/m ³ 8 hour(s). Form: particulate OELV-8hr: 470 mg/m ³ 8 hour(s). Form: vapour and particulates OELV-8hr: 150 ppm 8 hour(s). Form: vapour and particulates
Italy No exposure limit value known.	
Estonia No exposure limit value known.	
Lithuania	

8. Exposure controls/personal protection

propane-1,2-diol	Del Lietuvos Higienos Normos (Lithuania, 10/2007). TWA: 7 mg/m ³ 8 hour(s).
sodium chloride	Del Lietuvos Higienos Normos (Lithuania, 10/2007). TWA: 5 mg/m ³ 8 hour(s).
Slovakia	
No exposure limit value known.	
Hungary	
No exposure limit value known.	
Poland	
No exposure limit value known.	
Slovenia	
No exposure limit value known.	
Latvia	
propane-1,2-diol	LV Nat. Standardisation and Meterological Centre (Latvia, 5/2007). TWA: 7 mg/m ³ 8 hour(s).
sodium chloride	LV Nat. Standardisation and Meterological Centre (Latvia, 5/2007). TWA: 5 mg/m ³ 8 hour(s).
benzotriazole	LV Nat. Standardisation and Meterological Centre (Latvia, 5/2007). TWA: 5 mg/m ³ 8 hour(s).
Greece	
No exposure limit value known.	
Portugal	
No exposure limit value known.	

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls : Use only with adequate ventilation.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Recommended: None assigned.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. <1 hours (breakthrough time): disposable vinyl

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: safety glasses with side-shields EN 166 1F

Skin protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: None assigned.

Environmental exposure controls : None identified.

9. Physical and chemical properties

General information

Appearance

- Physical state** : Liquid.
Colour : Amber.
Odour : Faint odour.

Important health, safety and environmental information

- Relative density** : 1.235
Solubility : Easily soluble in the following materials: cold water and hot water.
VOC content : 0 % (w/w) [ISO % 11890-2]

10. Stability and reactivity

- Stability** : The product is stable.
Conditions to avoid : No specific data.
Materials to avoid : No specific data.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Potential acute health effects

- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Eye contact : No known significant effects or critical hazards.

Acute toxicity

Over-exposure signs/symptoms

- Target organs** : Contains material which may cause damage to the following organs: skin, eyes, stomach.

12. Ecological information

Aquatic ecotoxicity

Biodegradability




- Other adverse effects** : No known significant effects or critical hazards.
AOX : The product does not contain organically bound halogens which could lead to an AOX value in waste water.

13. Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
 16 03 06 organic wastes other than those mentioned in 16 03 05
- Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADR/RID Class	1950	Aerosols, non-flammable	2	-		-
IMDG Class	1950	Aerosols, non-flammable	2.2	-		-
IATA Class	1950	Aerosols, non-flammable	2.2	-		-

PG* : Packing group

15. Regulatory information

EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

- Risk phrases** : This product is not classified according to EU legislation.
- Safety phrases** : S2- Keep out of the reach of children.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Pressurised container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
- Product use** : Consumer applications, Industrial applications.

Other EU regulations

Additional warning phrases : Safety data sheet available for professional user on request.

Germany

Hazard class for water : 1 Appendix No. 4

Italy

Emission control directive : Not classified.

16. Other information

- Full text of R-phrases referred to in sections 2 and 3 - Europe** : R22- Harmful if swallowed.
R36- Irritating to eyes.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Full text of classifications referred to in sections 2 and 3 - Europe** : Xn - Harmful
Xi - Irritant

History

- Date of printing** : 29/08/2012.
- Date of issue** : 20/01/2012.
- Date of previous issue** : 20/10/2011.
- Version** : 8
- Prepared by** : Not available.

☑ Indicates information that has changed from previously issued version.

References

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16. Other information

The Health and Safety At Work Act 1974, section 6.
Control of Substances Hazardous to Health (CoSHH) Regulations 2002 and its amendments.

Preparation contains solely TSCA and REACH 1907/2006 listed substances.

This safety data sheet has been prepared in accordance with the requirements of the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 which implement EC Directives 1999/45/EC and 2001/58/EC and their amendments.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.