

1. Identification of the preparation and of the company

Preparation name Precleanse
Use of the preparation Teat Dip

Supplier	Fullwood Limited Grange Road, Ellesmere Shropshire SY12 9DF	Manufacturer	Kilco (International) Ltd. Broomhouses 2 Industrial Estate, Old Glasgow Road, Lockerbie, Dumfriesshire. DG11 2SD
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		Emergency Phone Number	+44 (0) 1576 205480 [UK 9am - 5pm only]
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2. Hazards identification

Main hazards Classification (1999/45/EEC)
Labelling None
Symbol (s) None
Risk phrases None
Safety phrases S2 Keep out of the reach of children.

3. Composition / information on ingredients

Chemical Characterisation: A buffered solution of iodine, glycerine and lanolin

Component	EINECS No:	CAS No:	% Inclusion	Symbol(s)	R phrases
Iodine	231-442-4	7553-56-2	<0.5	Xn, N	R20/R21, 50

4. First aid measures

General advice Remove from exposure
Eyes Speed is essential. With eye held open, thoroughly rinse with plenty of water and saline for at least 15 minutes. Protect unharmed eye. Continue rinsing process with saline solution. Obtain medical attention if soreness or redness persists.
Skin Rinse with water. If irritation occurs wash with mild soap and water.
Ingestion Do not induce vomiting. Seek urgent medical advice. Only if patient fully conscious - Rinse mouth with water and then drink copious amounts of water, keep the patient warm and at rest.
Inhalation Take affected persons out into the fresh air.
Notes to physician
Symptoms Acute and delayed
Eyes May cause conjunctival irritation.
Skin Not normally hazardous. May cause slight irritation.
Ingestion Concentrated solutions may cause: irritation of mouth, throat and digestive tract.
Inhalation Exposure to mist may cause: irritation of nose, throat and respiratory tract.

5. Fire fighting measures

Suitable Extinguishing media Use water spray, foam, dry powder or carbon dioxide.
Extinguishing media that must not be used for safety reasons
None
Special exposure hazards
Protective equipment Fire fighters require self-contained breathing apparatus and the necessary personal protective clothing.
Further information: Evacuate personnel to safe areas. Keep out unprotected persons. Keep unauthorised persons away. Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure that there are sufficient retaining facilities for water used to extinguish fire.

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Contaminated fire-extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities. Fire residues should be disposed of in accordance with the regulations. To cool, spray closed containers with water spray jet. In case of fire, remove the endangered containers and bring to a safe place, if this can be done safely.

6. Accidental release measures

Personal precautions	Wear appropriate protective clothing, approved respirator, gloves, goggles etc – see section 8. Evacuate personnel to safe areas. Keep out unprotected persons. Keep unauthorised persons away
Environmental precautions	Observe regulations on preventions of water pollution (collect, dam up, cover up) Prevent the material from entering drains or watercourses.
Spillages	Large spillages should be collected for disposal. Collect in suitable containers. Keep away from incompatible substances. Clean contaminated surface thoroughly – recommended cleaning agent – water. Dispose of absorbed material in accordance with the regulations – see Section 13.
Additional Advice	Make safe or remove all sources of ignition. Isolate defective containers immediately. Stop leak, if possible and safe to do so. Never return spilled product into its original containers for re-use

7. Handling & storage

Handling	Wear suitable protective clothing. Avoid contact with skin, eyes and clothing. Do not inhale vapour, aerosols, and sprays. When using, avoid spray mists. Operate in a well ventilated place. For personal protection see Section 8. Handle in accordance with good industrial hygiene and safety practice. Immediately change moistened or saturated work clothes. Immediately rinse contaminated or saturated clothing with water. Never return spilled product into its original containers for re-use. Avoid impurities. Transport and store container in upright position only. Do not empty container by means of pressure.
Storage	Keep away from incompatible substances. Keep only in the original container. Keep container closed and in a clean, cool, and well ventilated place away from heat, flammable materials and intense light. Avoid residues of the product on the containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls / personal protection

Occupational Exposure Standards	Long Term	Short Term
Iodine	0.1 mg/m ³	0.1 mg/m ³

Respiratory protection	Ensure there is good room ventilation. Do not inhale vapour, aerosols, and mist.
Hand protection	Chemical resistant gloves. Natural rubber (NR)/ Polychloroprene (PCP). (EN 374).
Eye protection	Chemical goggles or face shield. (e.g. EN 166).
Body protection	Avoid contaminating clothes with product. Immediately change moistened or saturated work clothes. Immediately rinse contaminated or saturated clothing with water.
Protective measures	Handle in accordance with good industrial hygiene and safety practice. Wear suitable protective clothing, gloves and eye/face protection. The personal protective equipment used must meet the requirements of Directive 89/686/EEC and amendments (CE certification). It should be defined in the work place in the form of a risk analysis according to Directive 89/686/EEC and amendments. Avoid contact with skin, eyes and clothing. Any contaminated protective equipment is to be cleaned after use. No eating, drinking, smoking or snuffing tobacco at work. Wash face and hands before break and at end of work.

9. Physical & chemical properties

Appearance	Brown / Black Liquid	Vapour pressure	No data available
Odour	No data available	Relative density	1.000 to 1.020
pH	2.50 – 3.50	Solubility	No data available
Boiling point/boiling range	No data available	Water solubility	No data available
Flash point	No data available	Partition coefficient: n-octanol/water	No data available
Flammability (solid, gas)	No data available	Viscosity	No data available
Explosive properties	No data available	Vapour density	No data available

Oxidising properties

No data available

Evaporation rate

No data available

10. Stability & reactivity

Stability	Store away from direct sunlight and excessive heat.
Materials to avoid	All Alkalis.
Conditions to avoid	Extremes of temperature.
Hazardous decomposition products	When heated emits fumes of Iodine and Iodine compounds.
Hazardous reactions	No data supplied

11. Toxicological information

Acute effects	Iodine LD50 (Oral, Rat) 14000mg/kg
Sensitisation	No data supplied
Repeated dose toxicity and CMR effects	No data supplied
Further information	No data supplied

12. Ecological information

Persistence/degradability	The product is readily biodegradable.
Bio-accumulation	Product is not expected to bioaccumulate.
Environmental hazards	No data supplied
Further information	No data supplied

13. Disposal considerations

Product disposal	Dispose of in accordance with all applicable local and national regulations.
Container disposal	Contaminated, empty containers must be disposed of as chemical waste. Residual chemical should be disposed of by incineration or by other modes of disposal in compliance with local legislation

14. Transport information

Not classified as hazardous for transport

15. Regulatory information

Sources of key data.

The Chemical (Hazard Information for Packaging and Supply) Regulations 2009 (SI 2009:716) and associated documents.
 EU Council Directive 75/442/EEC (as amended).
 HSE Guidance Note EH40 2007
 The European Agreement Concerning the Carriage of Dangerous Goods by Road (ADR), 2009 Edition.
 The International Maritime Dangerous Goods Code, (IMDG) 2008 Edition.
 The International Air Transport Association Dangerous Goods Regulations, (IATA), 2010 Edition.
 Safety Data Sheets provided by suppliers of component substances.

16. Other information

Note: Sections in italics indicate significant changes from the previous version

Full text of R phrases from section 3.

R20/ 21 Harmful by inhalation and in contact with skin
 R50 Very toxic to aquatic organisms

Training advice.

Those who are to employed in the use of this product must be given training which highlights the need to handle and use it only in the recommended manner and to at all times make use of the prescribed personal protective equipment.



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Recommended restrictions on use.

This product should be stored and handled in accordance with guidance given above and used only in the recommended manner and in conformity with any legal requirements

This safety data sheet has been supplied in accordance with the requirements of Article 31 of Regulation EC No 1907/2006 (the REACH regulation) and the information contained herein is displayed in the order prescribed in Annex II to that regulation, as amended 2010. Its purpose is to facilitate the carrying out of a risk assessment. Employers are reminded of their duty to carry out such an assessment and subsequently to provide an appropriate working environment, to make available to those who are required to use this product all necessary personal protective equipment and to ensure that such equipment is used.

The safety data sheet is additional to the technical data sheet but does not replace it. The information given herein is to the best of our knowledge correct and given in good faith. It relates to the product in the state in which it is delivered. This product is for the uses specified and should only be used for those purposes. Any other use may involve risks. The user will take sole responsibility for the precautions relating to the use of the product. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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