

Opal Green

Material Safety Data Sheet

Issue 01 Jan 2011

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1. IDENTIFICATION OF PRODUCT AND COMPANY

Product and Brand Name	Opal Green
Supplier	Indigrow Ltd
Address	Lower Farm Barns, Wasing, Aldermaston, Berkshire. RG7 4 NG
Contact Number Tel	+44 (0) 118 9710995 Fax: +44 (0) 118 971 0990
Emergency Number Tel	+44 (0) 7725 962 366

2. HAZARD IDENTIFICATION

Classification under CHIP	Irritating to eyes, respiratory system and skin. Very toxic to aquatic organisms.
Workplace exposure limit	This substance does not have a workplace exposure limit.
PBT	This substance is not identified as a PBT substance.
Directive 1999/45/EC	This mixture meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients	UREA HYDROCHLORIDE 30-50%
	EINECS: 208-059-6 CAS: 5806-89-8 [Xi] R36/37/38
	ALKYL(C12 - C14), DIMETHYL, BENZYLAMMONIUM CHLORIDE 1-10%
	EINECS: 287-089-1 CAS: 85409-22-9 [Xn] R22; [C] R34; [N] R50
	ALCOHOL ETHOXYLATE 6 <1%
	CAS: 68439-45-2 [Xn] R22; [Xi] R41

4. FIRST AID MEASURES

Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion	Wash out mouth with water. Consult a doctor.
Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE FIGHTING MEASURES

Extinguishing media	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
Exposure hazards	In combustion emits toxic fumes.
Protection of fire-fighters	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions	Do not discharge into drains or rivers. Contain the spillage using bunding.
Clean-up procedures	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.
Storage conditions	Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.
Suitable packaging	Must only be kept in original packaging.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering measures	Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.
Respiratory protection	Self-contained breathing apparatus must be available in case of emergency.
Hand protection	Protective gloves.
Eye protection	Safety glasses. Ensure eye bath is to hand.
Skin protection	Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State	Liquid
Colour	Pale yellow
Odour	Barely perceptible odour
Evaporation rate	Negligible
Oxidising	Non-oxidising (by EC criteria)
Solubility in water	Miscible in all proportions
Viscosity	Non-viscous
Relative density	1.140 - 1.160
pH	<2.0

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat.
Materials to avoid	Strong oxidising agents. Bases. Metals.
Haz. decomp. products	In combustion emits toxic fumes.

11. TOXOLOGICAL INFORMATION

Acute effects	Irritating to eyes, respiratory system and skin.
Skin contact	There may be irritation and redness at the site of contact.
Eye contact	There may be irritation and redness. The eyes may water profusely.
Ingestion	There may be soreness and redness of the mouth and throat.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

12. ECOLOGICAL INFORMATION

Mobility	Readily absorbed into soil.
Persistence and degradability	Not biodegradable.
Bioaccumulative potential	Bioaccumulation potential.
Other adverse effects	Very toxic to aquatic organisms. Very toxic to soil organisms. Very toxic to flora. Very toxic to fauna.
PBT identification	This substance is not identified as a PBT substance.

13. DISPOSAL CONSIDERATION

Disposal operations:	Transfer to a suitable container and arrange for collection by specialised disposal company.
Disposal of packaging:	Dispose of as normal industrial waste. NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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14. TRANSPORT INFORMATION

ADR / RID

UN no	3082
ADR Class	9
Packing group	III
Classification code	M6
Shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYL(C12 - C14), DIMETHYL, BENZYLAMMONIUM CHLORIDE)
Labelling	9+EHS
Hazard ID no	90

IMDG / IMO

UN no	3082
Class	9
Packing group	III
EmS	F-A,S-F
Marine pollutant	.
Labelling	9+EHS

IATA / ICAO

UN no	3082
Class	9
Packing group	III
Packing instructions	914
Labelling	9+EHS

15. REGULATORY INFORMATION

Hazard symbols:	Irritant. Dangerous for the environment.
Risk phrases:	R36/37/38: Irritating to eyes, respiratory system and skin. R50: Very toxic to aquatic organisms.
Safety phrases:	S61: Avoid release to the environment. Refer to special instructions / safety data sheets. S24/25: Avoid contact with skin and eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39: Wear suitable protective clothing, gloves and eye / face protection. S60: This material and its container must be disposed of as hazardous waste.
Precautionary phrases:	Use biocides safely. Always read the label and product information before use.
Haz. ingredients (label):	UREA HYDROCHLORIDE; ALKYL(C12 - C14), DIMETHYL, BENZYLAMMONIUM CHLORIDE
Note:	The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information:	This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006. * indicates text in the SDS which has changed since the last revision.
Risk phrases used in s.3:	R36/37/38: Irritating to eyes, respiratory system and skin. R22: Harmful if swallowed. R34: Causes burns. R50: Very toxic to aquatic organisms. R41: Risk of serious damage to eyes.
Legal disclaimer:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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