

MATERIAL SAFETY DATA SHEET

Manufactured By IDEALS Ltd, Timaru, New Zealand
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In case of emergency endangering health or the environment involving this product, call +64 275 239888

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I. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

PRODUCT NAME: ECOSeal 100 ClearPart A (as supplied)
PRODUCT CODE: 72228
Indented use Part A of a two pack high performance polymeric waterproofing and photoluminescencemembrane.

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II. COMPOSITION: INFORMATION ON INGREDIENTS

CHEMICAL NAME: * 70-100% Modified Aspartic acid

VoC <1%
Balance Inert Ingredients

* All percentages are approximate.

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III. HAZARDS IDENTIFICATION

This product contains no ingredients listed or defined as hazardous under the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.

HUMAN HEALTH DATA

ROUTE(S) OF ENTRY: Skin contact; Eye contact. Fume inhalation.

HUMAN EFFECTS AND

SYMPTOMS OF OVEREXPOSURE: (This data is based on active ingredient)

ACUTE SKIN CONTACT: On the basis of animal toxicity testing (see Section XI), we expect this product to be mildly irritating to the skin.

ACUTE EYE CONTACT: On the basis of animal toxicity testing (see Section XI), we expect this product to be mildly irritating to the eyes.

ACUTE INGESTION: Ingestion may cause a laxative effect On the basis of animal toxicity testing (see Section XI), we expect this product to be essentially non-toxic by ingestion.

CHRONIC EFFECTS OF EXPOSURE: may cause skin sensitisation H317

CARCINOGENICITY: None of the components listed by NTP, IARC, or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS:

AGGRAVATED EXPOSURE: None known.

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IV. FIRST AID MEASURES

FIRST AID FOR EYES: Immediately flush eyes with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15-20 minutes). Get medical attention.

FIRST AID FOR SKIN: In case of contact, remove product mechanically and wash skin with soap or mild detergent and water. Remove contaminated clothing. Call a physician if irritation occurs. Wash clothing before reuse.

FIRST AID FOR INGESTION: If swallowed, call a physician immediately.

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V. FIRE AND EXPLOSION DATA

FIRE & EXPLOSION HAZARDS: Minimal

EXTINGUISHING MEDIA: Water Spray. Foam. Dry Chemical. CO₂. Halon

SPECIAL FIRE FIGHTING

PROCEDURES: Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray. Cool tank/container with water spray.

If area is heavily exposed to fire and if conditions permit, let fire burn itself out, since water may increase the area contaminated.

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VI. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Utilize protective clothing and equipment (see Section VII). Spills should be taken up mechanically and placed into labelled, closable containers. Avoid generation of dust. Spill area can be washed with water. Collect wash water for approved disposal.

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VII. HANDLING AND STORAGE

STORAGE TEMPERATURE: Less than 140 F (60 C), and above freezing.

SHELF LIFE: Five (5) years - Estimated.

SPECIAL SENSITIVITY: None known.

HANDLING/STORAGE

PRECAUTIONS: Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from excessive heat. Reseal containers immediately after use. Store away from food and beverages. Do not contaminate drinking water sources.

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VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

EYE PROTECTION: Safety glasses or goggles are recommended.

SKIN PROTECTION:	Rubber gloves and other protective clothing as appropriate to prevent skin contact as appropriate to prevent skin contact.
RESPIRATOR:	None. Use in well ventilated areas if sprayed or atomized.
ADDITIONAL PROTECTIVE MEASURES:	Emergency showers and eye wash stations should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees on the safe use and handling of the product.

IX. PHYSICAL DATA

SOLUBILITY IN WATER:	Immiscible in all proportions.
ODOR:	Weak Aromatic
FORM:	Liquid
COLOR:	Clear
pH	N/A
Boiling Point	<300°C
Vapour pressure	N/A
Density	<1.02 g/cm ³
Auto ignition Temp	300°C

X. STABILITY AND REACTIVITY

STABILITY:	This is a stable material.
HAZARDOUS POLYMERIZATION:	Will not occur.
INCOMPATIBILITIES:	Strong oxidising agents.
INSTABILITY CONDITIONS:	Stable at normal temperatures and storage conditions.
DECOMPOSITION TEMPERATURE:	Greater than 518 F (270 C).
DECOMPOSITION PRODUCTS:	Thermal decomposition may product potentially toxic and/or hazardous gases.

XI. TOXICOLOGICAL INFORMATION

ANIMAL DATA - Active Ingredient shows low toxicity by all routes of exposure.

ACUTE TOXICITY

ORAL:	Rat LD ₅₀ - >5,000 mg/kg; FIFRA Category IV
DERMAL:	Rat LD ₅₀ - >1,800 mg/kg; FIFRA Category IV
INHALATION:	Rat LC ₅₀ - >2.04mg/l; FIFRA Category IV
EYE IRRITATION:	Rabbit; mild irritation; all animals free of irritation in 72 hours; FIFRA Category III
SKIN IRRITATION:	Rabbit; slight irritation; all animals free of irritation in 24 hours; FIFRA Category III

No skin allergy was observed in guinea pigs following repeated skin exposure.

XII. ECOLOGICAL INFORMATION

AQUATIC TOXICITY LC50:
toxicity and high biodegradation
metabolized on sediments and clays.

>100 mg/l (pimephales promelae). Medium
profile. Rapidly absorbed and

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XIII. DISPOSAL CONSIDERATIONS

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local Regulations.

CONTAINER DISPOSAL: Rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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XIV. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: None
D.O.T. HAZARD CLASS: Non-regulated
PRODUCT RQ (lbs.): None
D.O.T LABEL: Non-regulated
D.O.T. PLACARD: Non-regulated
PRODUCT LABEL: ECO Seal 100 Clear Part A

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XV. REGULATORY INFORMATION

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA STATUS: On TSCA Inventory
CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:
SECTION 302 EXTREMELY
HAZARDOUS SUBSTANCES: None

SECTION 311/312
HAZARDOUS CATEGORIES: Non-hazardous under Section 311/312

SECTION 313
TOXIC CHEMICALS: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal,

