

# **MATERIAL SAFETY DATA SHEET**

Manufactured By IDEALS Ltd, Timaru, New Zealand  
+64 3 688 5508

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 Part 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. CO<sub>2</sub>. 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:	Multiple
pH	N/A
Boiling Point	<300°C
Vapour pressure	N/A
Density	<1.02 g/cm <sup>3</sup>
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 <sub>50</sub> - >5,000 mg/kg; FIFRA Category IV
DERMAL:	Rat LD <sub>50</sub> - >1,800 mg/kg; FIFRA Category IV
INHALATION:	Rat LC <sub>50</sub> - >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: >100 mg/l (pimephales promelae). Medium toxicity and high biodegradation profile. Rapidly absorbed and metabolized on sediments and clays.

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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,

whether a material containing the product or derived from the product product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

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## XVI. OTHER INFORMATION

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on regulatory requirements you should contact the appropriate agency in your state.

PENNSYLVANIA:                        The active ingredient is considered Pennsylvania Non-hazardous, PA3

CALIFORNIA PROPOSITION 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

NFPA 704M RATINGS:    Health                        Flammability                        Reactivity

2    1    0

0 = Insignificant    1 = Slight    2 = Moderate    3 = High    4 = Extreme

HMIS RATINGS:                        Health                        Flammability                        Reactivity                        Other

1    1    0    B

0 = Minimal    1 = Slight    2 = Moderate    3 = Serious    4 = Severe    B = Safety Glasses, gloves

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## XVII. APPROVALS

PREPARED BY:                        Dr N Wall

APPROVAL DATE:                        24/5/2018

SUPERSEDES DATE:                        1<sup>st</sup> Edition

MSDS NUMBER                        072228

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