

# Material Safety Data Sheet

Page 1 of 6

Issue date: June 2020

## EcoSan

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **EcoSan**

Synonym: None allocated

Use: A multi-purpose environmentally biodegradable cleaner for domestic and light industrial applications.

EcoSan

27 MCINTYRE WAY

KENWICK WA 6107

Tel: 1300 732 313

### 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC/NOHSC/EU CRITERIA

Hazard Category: None allocated

Hazard Classification: NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

RISK PHRASES

None allocated

SAFETY PHRASES

None allocated

Road Transport (ADR/RID)

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

Poison Schedule: None allocated [Aust].

Warning Statement:

Product has a pH of approximately 11, however, this is a BUFFERED SOLUTION. Please refer to section 15 for further information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
WATER AND OTHER NON-HAZARDOUS SUBSTANCES	60 to 100 % Mixture	

All other ingredients not hazardous according to ASCC/NOHSC/EU Criteria.

### 4. FIRST AID MEASURES

Swallowed:

If swallowed, DO NOT induce vomiting. If conscious give 1 to 2 glasses of water to drink. If irritation persists transport to hospital or doctor.

Eye:

If liquid enters the eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. If irritation persists, immediately transport to hospital or doctor.

# Material Safety Data Sheet

Page 2 of 6

Issue date: June 2020

## EcoSan

### 4. FIRST AID MEASURES (Continued)

Skin:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Inhaled:

Move victim to fresh air. .

First Aid Facilities:

Eye wash fountain, safety shower and normal wash room facilities.

Advice to Doctor:

Treat symptomatically.

For advice, contact Poisons Information Centre

In Australia call Tel: 13 1126

In New Zealand Tel: 034747000

### 5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

If safe to do so, move undamaged containers from fire area.

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.

Hazards From Combustion Products: Decomposes on heating emitting oxides of carbon, nitrogen entities and small quantities of noxious smoke.

Precautions for Fire Fighters and Special Protective Equipment: Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

HAZCHEM CODE: None allocated [Aust]

FLAMMABILITY

EcoSan is not a flammable or combustible liquid.

Flash Point: Not applicable, water content interferes with flash point.

### 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

EcoSan is considered to be of EXTREMELY LOW HAZARD. If EcoSan spills onto floors it may represent a slip hazard, walk cautiously. Wear protective equipment to prevent eye contact, as outlined under personal protection in this MSDS.

Methods and Materials for Containment and Clean Up Procedures:

For small spills, soak up the EcoSan using rags, clothes or other fabrics. Collect this residue to wipe down area and place into a suitable container, bucket or pail. Dilute with water and wash down any items in factory, warehouse or home that requires to be cleaned\*.

For large spills, assess situation, even though EcoSan is not considered to be an environmental hazard, Bund/Dike area using a suitable boom, if the quantity overflows the bund/dike, then throw an absorbent such as diatomaceous earth (kitty litter) - to prevent run off into drains and waterways, then shovel up and seal in properly labeled containers for recycling or re-use.

\* All surfaces (household, motor vehicle, boat, trailer etc) can be cleaned safely and quickly with diluted EcoSan. leading to outstanding results. For further information about dilution and usage rates please call our friendly staff for help.

# Material Safety Data Sheet

Page 3 of 6

Issue date: June 2020

## EcoSan

### 7. HANDLING AND STORAGE

Precautions for Safe Handling:

Store away from non ferrous metals. Maintain correct manual handling of 20 L drums to prevent spinal injuries. For further information please refer to the Engineering Controls of this MSDS.

Conditions for Safe Storage:

Keep containers tightly closed, when not using EcoSan. Store in a cool place and out of direct sun. Store in original packages as approved by manufacturer.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards have been assigned by [NOHSC] for this product or any of the components.

Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.

Personal Protection Equipment

GLOVES: Not normally required, however, if handling large quantities or if the skin is likely to be exposed to this product over prolonged periods, then the use of neoprene or nitrile is recommended.

EYES: Chemical goggles or spectacles with side shields to protect eyes.

RESPIRATORY PROTECTION: The use of a respirator is not required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear/Red colour, semi viscous liquid with mild odour.

Boiling Point: Not available.

Vapour Pressure: Not available.

Specific Gravity: ~ 1.00

Flash Point: Not flammable, water content interferes with flash point.

Flammability Limits: Not applicable.

Solubility in Water: Completely soluble in water

Other Properties

pH: ~ 11.0 (Buffered Solution)

Solubility in Other Solvents: Soluble in sea water.

### 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable under normal conditions of use.

CONDITIONS TO AVOID:

Prolonged contact with non-ferrous metals.

INCOMPATIBLE MATERIALS:

Strong mineral acids (sulfuric, nitric and hydrochloric), may cause mild effervescence (generation of gas, non flammable). Prolonged contact with aluminum, zinc, magnesium or their alloys may cause mild reactions liberating small quantities of hydrogen. The reaction is not severe enough to generate flammable or explosive quantities of the gas. Over a period of time the intensity of the reaction diminishes and a coating generally forms on these alloys, thereby, minimizing the reaction.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposes on heating emitting oxides of carbon, nitrogen entities and small quantities of noxious smoke.

HAZARDOUS REACTIONS:

Will not occur.

# Material Safety Data Sheet

Page 4 of 6

Issue date: June 2020

EcoSan

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

### ACUTE HEALTH EFFECTS:

#### Swallowed:

Swallowing any quantity will cause a foul taste in the mouth, if sufficient quantity can be swallowed, this may cause irritation to stomach with effects including pains in the stomach, which may lead to nausea, vomiting and diarrhea.

#### Eye:

May cause mild irritation to the eyes.

#### Skin:

Not considered to cause irritation to the skin, as the Eco Heavy is a non-toxic cleaning product.

#### Inhaled:

Not expected to cause irritation to the respiratory system.

#### Chronic:

Prolonged skin contact with some susceptible individuals may cause mild irritation or possible skin rashes.

## 12. ECOLOGICAL INFORMATION

There is no ecological information available for this product. However, it is believed that EcoSan has a low impact on the environment, aquatic organisms and or marine life.

## 13. DISPOSAL CONSIDERATIONS

EcoSan is a biodegradable compound, instead of disposing, consider, alternatives, providing EcoSan to other companies/schools/charities etc in your area with on site training.

## 14. TRANSPORT INFORMATION

### Road Transport (ADR/RID)

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

### Air Transport (ICAO/IATA)

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

### Sea Transport (IMO/IMDG)

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

## 15. REGULATORY INFORMATION

Poison Schedule: None allocated [Aust]

### Inventory Status

Australia (AICS) Y

United States (TSCA) Y

Europe (EINECS/ELINCS) Y

Y = all ingredients are on the inventory.

EU Label: None allocated

BUFFERED SOLUTION:

# Material Safety Data Sheet

Page 5 of 6

Issue date: June 2020

## EcoSan

### 15. REGULATORY INFORMATION (continued)

A buffer solution is defined as a solution that resists changes in pH as a result of

(i). Dilution or

(ii). Small additions of acids or bases.

EcoSan is an effective buffer solution because it contains large and approximately equal concentrations of a conjugate acid-base pair.

Reference:

Skoog & West

FUNDAMENTALS OF ANALYTICAL CHEMISTRY, 3rd Edition 1975

HOLT, RINEHART & WINSTON.

ISBN: 0-03-089495-6

### 16. OTHER INFORMATION

Date of Preparation:

Issue date: June 25, 2020

Reasons for Preparation:

1. Alignment with the 2nd Edition of National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2001(2003)].

Key Legend Information:

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

ASCC - Australian Safety and Compensation Council [Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:2004) [Aust]

EPA - Environmental Protection Agency [Int]

TSCA - Toxic Substances Control Act [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

Hazchem Code - Fire fighters designation [Aust]

ADG Code - Australian Dangerous Goods Code [Aust/Int]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EINECS - European Inventory of Existing Commercial Chemical Substances. [Int]

ELINCS - European List of Notified Chemical Substances. [Int]

EU - European Union [Int]

ADR/RID - European Road & Rail Transport Union - [Int]

EU Directives: The classification criteria used, are adopted from the European Community's (EC) legislation for classifying dangerous substances. The criteria are taken from:

EC Council Directive 67/548/EEC

EC Council Directive 1999/45/EC

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Principal References:

Information supplied by manufacturer, reference sources including the public domain.

END OF MSDS