

SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 09/01/2006

Internal No.:

Replaces date:

Isola Bio-Ren

1. IDENTIFICATION OF PRODUCT AND COMPANY

TRADE NAME	Isola Bio-Ren
APPLICATION	Detergent

Producer/importer

Company	Braut AS
Postal code	4352 Kleppe
Country	Norway
Telephone	+47-51 42 32 20
Fax	+47-51 42 43 04

Supplier

Company	Isola AS
Postal code	3945 Porsgrunn
Telephone	Norway

2. COMPOSITION/INFORMATION ON INGREDIENTS

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	Classification
1	biological biodegradable material			100 %	No classification required

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Carc. = Carcinogenic, Mut. = Mutagenic, Repr. = Reproductive

3. HAZARDS IDENTIFICATION

HEALTH

Protracted or repeated exposure may irritate the eyes and skin. May cause discomfort if swallowed.

FIRE AND EXPLOSION

Not combustible.

ENVIRONMENT

Not regarded as dangerous for the environment.

4. FIRST AID MEASURES

INHALATION

Fresh air.

SKIN CONTACT

Rinse with water.

EYE CONTACT

Rinse the eye with water immediately.

INGESTION

Drink a few glasses of water or milk. Contact physician if larger quantity has been consumed.

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5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use extinguishing media appropriate for surrounding fire.

FIRE AND EXPLOSION HAZARDS

Non-flammable.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

General: Evacuate all personnel, use protective equipment for fire fighting. Use a portable breathing apparatus when the product is involved in a fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear necessary protective equipment.

ENVIRONMENTAL PRECAUTIONS

Prevent discharges into the sewage system, watercourses or lakes. Warn the public.

METHODS FOR CLEANING UP

Major spillage should be banked with sand, earth or similar material and collected into suitable enclosed containers for further incineration. Flush area with water.

7. HANDLING AND STORAGE

HANDLING ADVICE

Avoid contact with the skin and eyes.

STORAGE

Store above freezing. Keep out of the reach of children.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION

No special precautions required.

EYE PROTECTION

Normally not necessary.

HAND PROTECTION

Hand protection not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Clear.
Odour	Weak.
Solubility	Water soluble.

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Physical and chemical parameters

Parameter	Value / Unit	Method	Note
pH concentrate	~ 6,9		
Boiling point	~ 100 °C		
Density	~ 1 g/ml		

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions.

11. TOXICOLOGICAL INFORMATION

INHALATION

Inhalation of vapours may cause irritation in the upper respiratory tract.

SKIN CONTACT

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization in susceptible persons.

EYE CONTACT

Splashing in the eyes may cause temporary irritation.

INGESTION

Ingestion of large quantities may cause gastrointestinal disorders.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

MOBILITY

Water soluble.

DEGRADABILITY

Readily biodegradable.

ACCUMULATION

Not bioaccumulating in water environments

CONCLUSION

Avoid larger discharges into waterways and lakes.

13. DISPOSAL CONSIDERATIONS

GENERAL REGULATIONS

Non-dangerous waste. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction. Empty packages must be handled in an environmentally-correct manner as per the applicable laws and regulations.

CATEGORY OF WASTE

EWC must be evaluated at the end of usage, possibly EWC: 02 01 99 wastes not otherwise specified

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14. TRANSPORT INFORMATION

Classified as Dangerous Goods: Yes No N/A

OTHER INFORMATION

Not classified as dangerous goods.

15. REGULATORY INFORMATION

EC-Label No Yes N/A

COMPOSITION

biological biodegradable material (= 100 %)

S-PHRASES

S2 Keep out of the reach of children.

REFERENCES

Directive 1999/45/EC.

Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances.

Directive 2001/58/EC (91/155/EEC).

European Waste Catalogue (EWC 2002).

Regulations relating to transport of dangerous goods: ADR, RID, IMDG and IATA/ICAO.

Occupational exposure limits (EH40/2005)

16. OTHER INFORMATION



INFORMATION SOURCES

MSDS from supplier (24/05/2005).

VENDOR NOTES

This material safety datasheet is quality approved by Chemtox according to the EU-directives Annex I (67/548/EEC), 2001/58/EEC and 1999/45/EEC. Chemtox applies a quality assurance system in accordance with ISO 9001:2000.

Prepared by: Gjermund Valand

Quality controlled by: Solvor Hettlelid

Chemtox is not responsible for any incorrect information from the producer of this product.

ISSUED: 09/01/2006

REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.0	09/01/2006	Gjermund Valand	Preparation

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SDS prepared by

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