

1 | IDENTIFICATION OF THE SUBSTANCE/MIXTURE & OF THE COMPANY/UNDERTAKING

1.1 | PRODUCT IDENTIFIER

CODE –
PRODUCT NAME EcoDis Detergent

1.2 | RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE & USES ADVISED AGAINST

RELEVANT INTENDED USE Refer to data sheet

1.3 | DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

NAME ROMA – Eco-Sustainable Building Technologies
FULL ADDRESS 554 North Avenue NW, Suite B
DISTRICT & COUNTRY Atlanta, GA 30318 | United States of America (USA)
678-905-3700

1.4 | EMERGENCY TELEPHONE NUMBER

FOR URGENT INQUIRIES REFER TO Call 911 if you have a poison emergency.
Call the CDC if swallowed but person is alert 1-800-222-1222

2 | HAZARDS IDENTIFICATION

2.1 | CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet

DANGER SYMBOLS Xi-N
R PHRASES 52/53

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

2.2 | LABEL ELEMENTS

Hazard labeling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements. SAFETY PHRASES

S31 Contact with Acids Liberates Toxic Gas.
S2 Keep out of the Reach of Children.
S37 Wear Suitable Gloves.
S46 If Swallowed, seek Medical Advice Immediately and Show this Container or Label.



2.3 | OTHER HAZARDS

R36/38

Irritating to Eyes and Skin.

R50

Very Toxic to Aquatic Organisms.

R52/53

Harmful to Aquatic Organisms, may Cause long-term Adverse Effects in the Aquatic Environment.



3 | COMPOSITION/INFORMATION ON INGREDIENTS

3.1 | SUBSTANCES

No substance fulfills the criteria set out in Annex II, Part A of the REACH Regulation (EC) n. 1907/2006

3.2 | MIXTURES

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

4 | FIRST AID MEASURES

4.1 | DESCRIPTION OF FIRST AID MEASURES

EYES

Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN

Immediately wash with plenty of water. Remove all contaminated clothing. Obtain immediate medical attention. Wash contaminated clothing separately before using them again.

INHALATION

Remove to open air. If breathing is irregular or stopped, administer artificial respiration. Obtain immediate medical attention.

INGESTION

Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Give nothing by mouth to an unconscious person.

4.2 | MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE & DELAYED

For symptoms and effects caused by the contained substances see chap. 11.

4.3 | INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION & SPECIAL TREATMENT NEEDED

Follow doctor's orders.

5 | **FIREFIGHTING MEASURES**

5.1 | **EXTINGUISHING MEDIA**

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should be of the conventional kind: Carbon Dioxide, Foam, Powder and Neutralized Water.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

None in particular.

5.2 | **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc.).

5.3 | **ADVICE FOR FIREFIGHTERS**

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and anti-static), a depressurized mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fume.

6 | **ACCIDENTAL RELEASE MEASURES**

6.1 | **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES**

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. If there are no contraindications, spray solid products with water to prevent the formation of dust. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. Do not handle damaged containers or the leaked product before donning appropriate protective gear. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, see the other sections of this sheet. These indications apply for both processing staff and those involved in emergency procedures.

6.2 | **ENVIRONMENTAL PRECAUTIONS**

The product must not penetrate the sewers, surface water, ground water and neighboring areas.

6.3 | **METHODS & MATERIAL FOR CONTAINMENT & CLEANING UP**

Use inert absorbent material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc.) to soak up leaked product. Collect the majority of the remaining material and deposit it in containers for disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 | REFERENCE TO OTHER SECTIONS

Any information on personal protection and disposal is given in sections 8 and 13.

7 | HANDLING & STORAGE

7.1 | PRECAUTIONS FOR SAFE HANDLING

Store in closed, labeled containers.

7.2 | CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in a well-ventilated place; keep far away from sources of heat, bright flames and sparks and other sources of ignition.

7.3 | SPECIFIC END USE(S)

Observe technical data sheet. Observe instructions for use.

8 | EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 | CONTROL PARAMETERS

Information not available.

8.2 | EXPOSURE CONTROLS

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent. If such operations do not make it possible to keep the concentration of the product below the permitted workplace exposure thresholds a suitable respiratory tract protection must be used. See product label for hazard details during use. Personal protection equipment must comply with the rules in force indicated below.

HAND PROTECTION

Protect hands with category II (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in PVC, neoprene, nitril or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

EYE PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.

RESPIRATORY PROTECTION

If the threshold value (if available) for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with an B or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (ref. Standard EN 141).

The use of respiratory tract protection equipment, such as masks like that indicated above, is necessary to reduce worker exposure in the absence of technical measures. The protection provided by masks is in any case limited.

If the substance in question is odorless or its olfactory threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit compressed air breathing apparatus (ref. Standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. Standard EN 138).

9 | PHYSICAL & CHEMICAL PROPERTIES

9.1 | INFORMATION ON BASIC PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOR	Transparent
ODOR	Characteristic
ODOR THRESHOLD	–
pH	11
MELTING OR FREEZING POINT	–
INITIAL BOILING POINT	–
BOILING RANGE	–
FLASH POINT	> 61 °C
EVAPORATION RATE	–
FLAMMABILITY OF SOLIDS AND GASES	–
LOWER INFLAMMABILITY LIMIT	–
UPPER INFLAMMABILITY LIMIT	–
LOWER EXPLOSIVE LIMIT	–
UPPER EXPLOSIVE LIMIT	–
VAPOR PRESSURE	–
VAPOR DENSITY	–
SPECIFIC GRAVITY	1.00 Kg/l
SOLUBILITY	Water
PARTITION COEFFICIENT: N-OCTANOL/WATER	–
IGNITION TEMPERATURE	–
DECOMPOSITION TEMPERATURE	–
VISCOSITY	12000 mPa.s
REACTIVE PROPERTIES	–

9.2 | OTHER INFORMATION

VOC (DIRECTIVE 2004/42/EC)	0.01 g/l
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Primer. EU limit value for this product
(cat. Ba /g): 50 g/l (2007) / 30 g/l (2010)

10 | **STABILITY & REACTIVITY**

10.1 | **REACTIVITY**

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 | **CHEMICAL STABILITY**

The product is stable in normal conditions of use and storage.

10.3 | **POSSIBILITY OF HAZARDOUS REACTIONS**

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 | **CONDITIONS TO AVOID**

None in particular, however the usual precautions used for chemical products should be respected.

10.5 | **INCOMPATIBLE MATERIALS**

None in particular, however the usual precautions used for chemical products should be respected.

10.6 | **HAZARDOUS DECOMPOSITION PRODUCTS**

In the event of thermal decomposition or fire, vapors potentially dangerous to health may be released.
CALCIUM CARBONATE: Calcium Oxides, Carbon Oxides.

11 | **TOXICOLOGICAL INFORMATION**

11.1 | **INFORMATION ON TOXICOLOGICAL EFFECTS**

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

12 | **ECOLOGICAL INFORMATION**

There is no information available on the preparation itself. Do not allow to enter into surface water or drains.

12.1 | **TOXICITY**

TERBUTRYN

LC50 (96H)

1.8 mg/l (Rasbora Heteromorpha)

EC50 (48H)

7.1 mg/l (Daphnia Magna)

IC50 (72H)

0.0036 mg/l (Selenastrum Capricornutum)

12.2 | **PERSISTENCE & DEGRADABILITY**

Information not available.

12.3 | **BIOACCUMULATIVE POTENTIAL**

Information not available.

12.4 | **MOBILITY IN SOIL**

Information not available.

12.5 | **RESULTS OF PBT & vPvB ASSESSMENT**

Information not available.

12.6 | **OTHER ADVERSE EFFECTS**

Information not available.

13 | **DISPOSAL CONSIDERATIONS**

13.1 | **WASTE TREATMENT METHODS**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14 | **TRANSPORT INFORMATION**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1 | **UN-NO**

Information not available.

14.2 | **UN PROPER SHIPPING NAME**

Information not available.

14.3 | **TRANSPORT HAZARD CLASS(ES)**

Information not available.

14.4 | **TRANSPORT HAZARD CLASS(ES)**

LAND TRANSPORT (ADR/RID)	–
SEA TRANSPORT (IMDG)	–
AIR TRANSPORT (ICAO-TI / IATA-DGR)	III

14.5 | ENVIRONMENTAL HAZARDS

LAND TRANSPORT (ADR/RID)

MARINE POLLUTANT

14.6 | SPECIAL PRECAUTIONS FOR USER

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 – 8.

FURTHER REMARKS

LAND TRANSPORT (ADR/RID)

TUNNEL RESTRICTION CODE

SEA TRANSPORT (IMDG)

EMS-NO.

14.7 | TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Information not available.

15 | REGULATORY INFORMATION

15.1 | SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

SEVESO CATEGORY None

RESTRICTIONS RELATING TO THE PRODUCT OR CONTAINED SUBSTANCES PURSUANT TO ANNEX XVII TO EC REGULATION 1907/2006.

3

SUBSTANCES IN CANDIDATE LIST (ART. 59 REACH)

None

SUBSTANCES SUBJECT TO AUTHORIZATION (ANNEX XIV REACH)

None

HEALTHCARE CONTROLS

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2 | CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been processed for the mixture and the substances it contains.

16 | OTHER INFORMATION

ATEXT OF HAZARD (H) INDICATIONS MENTIONED IN SECTION 2 – 3 OF THE SHEET

AQUATIC ACUTE 1	Hazardous to the aquatic environment, acute toxicity, category 1
AQUATIC CHRONIC 1	Hazardous to the aquatic environment, chronic toxicity, category 1
H400	Very toxic to aquatic life.

TEXT OF RISK (R) PHRASES MENTIONED IN SECTION 2 – 3 OF THE SHEET

R50/53	Very Toxic To Aquatic Organisms, May Cause Long-Term Adverse Effects In The Aquatic Environment.
R52/53	Harmful To Aquatic Organisms, May Cause Long-Term Adverse Effects In The Aquatic Environment

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. The Merck Index – 10th Edition
8. Handling Chemical Safety
9. Niosh – Registry of Toxic Effects of Chemical Substances
10. INRS – Fiche Toxicologique (Toxicology Sheet)
11. Patty – Industrial Hygiene and Toxicology
12. N.I. Sax – Dangerous properties of Industrial Materials-7, 1989 Edition

NOTE FOR USERS

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.