



# NEODETERSOL BOTTI

## MATERIAL SAFETY DATA SHEET

### 1 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

Substance

Chemical Name

Commercial Names and  
Synonyms                      Neodetersol Botti  
Chemical Abstract Nomenclature

# Uses                                      Detergent

Company                                      Tel. +39-0321-790-300 (please see bottom of the page)

# Emergency service                      Niguarda Hospital tel. +39-02-6610-1029

### 2 - COMPOSITION / INFORMATION ON INGREDIENTS

- **General description of the components, relative concentrations and risks**

Chemical name	N° CAS	N°EINECS	Conc/Range %	Classification	
				Symbols	R phrases
Sodium carbonate	497-19-8	207-838-8	>20	Xi	R36

See Section 16 for the complete text of R phrases.

### 3 – HAZARDS IDENTIFICATION

Dangerous classified substance according to official current regulations.

Health risks                                      Irritation

Environmental risks                              If discharged into water the product can lead to a significant pH variation with negative effects on the living organisms

Physical and chemical hazards              Unflammable product  
Fire and explosion

### 4 – FIRST AID MEASURES

Inhalation                                              In case of acute symptoms move the injured person outside - In serious situations seek medical advice

Skin contact                                              Remove any contaminated garment – Wash abundantly with water – In case of persistent pain or rubefaction seek medical advice

Eyes contact                                              Wash immediately with water for at least 15 minutes – Seek medical advice in any case

Ingestion                                                      Rinse the mouth with water – Let ingest water – Seek medical advice in any case – In case of difficult breathing give oxygen or carry out artificial respiration

Product: Neodetersol Botti  
Sheet code: NDTRB(0704)E3

Revision n° 3  
Updatings: #

Date of issue: 07/07/04  
page 1/4

# MATERIAL SAFETY DATA SHEET



## 5 – FIRE-FIGHTING MEASURES

Advised extinguishing agents	All
Extinguishing agents to be avoided	None
Dangers caused by combustion matters	None
Protection measures in case of intervention	None
Additional information	Unflammable product

## 6 – ACCIDENTAL RELEASES MEASURES

Collection and disposal methods	Collect mechanically by using appropriate containers and preventing dust formation. Wash out residual matters with water
Personal-related safety precautions	Wear safety boots, gloves and goggles. Use filter mask
Environmental protection	Prevent the introduction of the product into the sewage system or canals

## 7 – HANDLING AND STORAGE

Handling	Work in a well-ventilated place – Prevent dust formation
Storage	Keep containers well closed in a cool, dry and ventilated place

## 8 – PERSONAL PROTECTION / EXPOSURE CONTROL

Respiratory protection	Anti-dust mask
Skin protection	Appropriate protection garments
Hand protection	Plastic gloves
Eyes protection	Safety goggles with side screen
Exposure limits	

# MATERIAL SAFETY DATA SHEET



## 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	physical state	Powder
	colour	White
	smell	None
Melting point		
Boiling point		
Density		
Solubility in water		Highly soluble
Flash point		Uninflammable
Inflammability limits (vol % in air)		
Autoignition temperature		
pH		
Coefficient of division n-octanol/water		

## 10 – STABILITY AND REACTIVITY

Conditions to be avoided	Warming
Products to be avoided	Aluminium, tin, copper, zinc and their alloys, lime. It reacts violently with acids
Hazardous decomposition products	None

## 11 – TOXICOLOGICAL INFORMATION

Penetration ways	Inhalation yes Ingestion yes Contact
Acute toxicity	LD50 (oral, rat): 4090 mg/kg (ref. sodium carbonate) LD50 (intraperitoneal, mouse): 117 mg/kg (ref. sodium carbonate)
Inhalation consequences	Potential onset of chronic irritation of the upper part of the respiratory system and of variably serious lung injuries
Ingestion consequences	Acute pain, vomit, diarrhoea and collapse – Possible oesophageal stenosis even a long time after an apparent recovery
Skin local effects	Irritation – Prolonged contact may cause chronic dermatitis
Eyes local effects	Irritation – Conjunctiva edema
Additional information	

## 12 – ECOLOGICAL INFORMATION

Contains: 5-10% sodium metasilicate, sodium sulphate, sodium tripolyphosphate.

Neodetersol contains 90% biodegradable surface-active agents. Use in accordance with good working practices by preventing product release into the environment.

## 13 – DISPOSAL CONSIDERATIONS

Product	Neutralize by taking pH between 6 and 9. Dispose of the residual matters in accordance with the applicable law
Contaminated packages	Rinse thoroughly and dispose of depending on the material

Product: Neodetersol Botti  
Sheet code: NDTRB(0704)E3

Revision n° 3  
Updatings: #

Date of issue: 07/07/04  
page 3/4

# MATERIAL SAFETY DATA SHEET



## 14 – TRANSPORT INFORMATION

Product non subject to ADR/RID and IMO regulations, related to road, sea and airway transport of dangerous goods.

## 15 – REGULATORY INFORMATION

EC labelling	[ ]	Required by the law
	[ X ]	Temporary
	[ ]	Not required
# Classification	Xi	R36

## 16 – OTHER INFORMATION

Hazard symbol	Xi	Irritant
# Risk phrases	R36	Irritant to eyes
Safety phrases	S8	Keep container dry
	S22	Do not breathe dust
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

This material safety data sheet has been issued in accordance with 2001/58/CE.

Before starting the use of this product for any new process or experiment, it must be carried out a deep study on the safety and the compatibility of the product itself with materials it could come in contact with.

The information contained in this safety data sheet is given to protect health and safety at work. No responsibility is taken for possibile damages arising from uses of this information for different purposes from the ones here indicated.

Product: Neodetersol Botti  
Sheet code: NDTRB(0704)E3

Revision n° 3  
Updatings: #

Date of issue: 07/07/04  
page 4/4