



# NEODETERSOL VETRO

## MATERIAL SAFETY DATA SHEET

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

Substance

Chemical Name

Commercial Names and Neodetersol Vetro

Synonyms

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	15-30	Xi	R36
Sodium sulphate			15-30		
Tripolyphosphate	7758-29-4	231-838-7	15-30		
Sodium metasilicate	6834-92-0	2299129	15-30	C	R34, R37
Foaming agent			<5	Xn	R22, R36/37

See Section 16 for the complete text of R phrases.

### 3 – HAZARDS IDENTIFICATION

Dangerous classified substance according to official current regulations.

Health risks In case of contact with eyes it can cause permanent damages.  
In case of ingestion it causes irritation

Environmental risks pH level is responsible for collateral effects on fish, plancton or stationary organisms. If non neutralized, this product can be toxic for aquatic organisms because of its alkalinity

Physical and chemical hazards  
Fire and explosion

### 4 – FIRST AID MEASURES

Inhalation Move immediately the injured person outside. Seek medical advice if symptoms persist

Skin contact Wash immediately and abundantly with water.  
Take off any contaminated clothes. Seek medical advice

Eyes contact Important! Wash immediately and abundantly with water for at least 30 minutes (keep eyes open to make sprinkling easy)

Ingestion Do not provoke vomit. If the patient is conscious give out a big quantity, preferably of milk.  
Turn to hospital immediately

Product: Neodetersol Vetro  
Sheet code: NDTRV(0306)E4

Revision n° 4  
Updatings: #

Date of issue: 01/03/2006  
page 1/4

# MATERIAL SAFETY DATA SHEET



## 5 – FIRE-FIGHTING MEASURES

Advised extinguishing agents	All standard extinguishers are compatible
Extinguishing agents to be avoided	None
Dangers caused by combustion matters	
Protection measures in case of intervention	Complete protective garments, breathing apparatus
Additional information	

## 6 – ACCIDENTAL RELEASES MEASURES

Collection and disposal methods	Collect thoroughly as rapidly as possible in a clean container in order to re-use (preferably) or move it . Rinse residual matters with plenty of water
Personal-related safety precautions	See Section 8
Environmental protection	Prevent the product from coming in contact with drains, surface water and collect it rapidly in an appropriate container

## 7 – HANDLING AND STORAGE

Handling	Areas and working methods should be organized in order to prevent the direct contact with the product. Handling area must be appropriately ventilated in order to limit personnel exposure
Storage	Store in a cool and dry place. The product is hygroscopic and forms lumps in a wet place. Do not use containers in wet places. Keep containers closed in case of non-use

## 8 – PERSONAL PROTECTION / EXPOSURE CONTROL

Respiratory protection	Anti-dust mask
Skin protection	Safety gloves and appropriate protective garments must be used in case of risk of contact with the product
Hand protection	
Eyes protection	Safety goggles. Possibility to rinse eyes must be within reach
Exposure limits	TLV-TWA: 10 mg/m <sup>3</sup> with reference to sodium carbonate (USA,1989)

# MATERIAL SAFETY DATA SHEET



## 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	physical state	Powder/grains
	colour	White
	smell	None
Melting point		
Boiling point		
Density		
Solubility in water		
Flash point		
Inflammability limits (vol % in air)		
Autoignition temperature		
pH		About 11.8
Coefficient of division n-octanol/water		

## 10 – STABILITY AND REACTIVITY

Conditions to be avoided	It reacts with strong acids and halogens
Products to be avoided	Contact with some metals (aluminium, magnesium, tin, zinc and their alloys) can cause gas hydrogen, that can form an explosive mix if in contact with air
Hazardous decomposition products	Carbon dioxide

## 11 – TOXICOLOGICAL INFORMATION

Penetration ways	Inhalation yes Ingestion yes Contact yes
Acute toxicity	LD50 (oral, rat): 1504 mg/kg (male, ref. metasilicate) LD50 (oral, rat): 1722 mg/kg (female, ref. metasilicate) LD50 (oral, rat) >2000 mg/kg (sodium carbonate) LC50, 2H, rat, 2.3 mg/L
Inhalation consequences	It can cause noseache, sneezing and cough. Irritation of mucosae
Ingestion consequences	It causes usually pain and ulcerations of mucosae. Risk of permanent injuries
Skin local effects	It can cause ulcerations if combined with humidity
Eyes local effects	It causes acute pain and has corrosive effects. Risk of permanent injuries and/or lost of sight
Additional information	

## 12 – ECOLOGICAL INFORMATION

pH level is responsible for collateral effects on fish, plancton or stationary organisms. If non neutralized, this product can be toxic for aquatic organisms because of its alkalinity.

## 13 – DISPOSAL CONSIDERATIONS

Product	Apply local and national regulations
Contaminated packages	Apply local and national regulations, or send packages to a incineration plant authorized for industrial waste

Product: Neodetersol Vetro  
Sheet code: NDTRV(0306)E4

Revision n° 4  
Updatings: #

Date of issue: 01/03/2006  
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	C	R34, R36, R37

## 16 – OTHER INFORMATION

Hazard symbol	C	Corrosive
# Risk phrases	R34	Causes burns
	R36	Irritant to eyes
	R37	Irritant to respiratory system
Safety phrases	S1	Keep locked up
	S2	Keep out of the reach of children
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S37	Wear suitable gloves
	S39	Wear eye/face protection
	S64	If swallowed, rinse mouth with water (only if the person is conscious)

Neutralize the product before pouring it into water.

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 possible damages arising from uses of this information for different purposes from the ones here indicated.

Product: Neodetersol Vetro  
Sheet code: NDTRV(0306)E4

Revision n° 4  
Updatings: #

Date of issue: 01/03/2006  
page 4/4