

# SAFETY DATA SHEET

Revision date: 26/01/2011

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## 1 Identification of the substance/mixture and of the company/undertaking:

### 1.1 Product identifier:

**ORION 245**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

special additive

Concentration in use: 100 %

### 1.3 Details of the supplier of the safety data sheet:

ORION INDUSTRIES BVBA

Groenveldstraat 13

3001 Heverlee

Tel:016.52.08.98 - Fax:016.49.02.10

E-mail:orion@orioncoltd.com - Website:www.orioncoltd.com

Distributor:

### 1.4 Emergency telephone number:

Local: 070.245.245

Worldwide: XX32.70.245.245

## 2 Hazards identification:

### 2.1 Classification of the substance or mixture:

None

/

### 2.2 Label elements:

#### Symbols:

None

#### R-Phrases

/ none

#### Safety phrases

/ none

#### Contains:

/

### 2.3 Other hazards:

This is a harmless preparation. Normally no risks are to be expected, minor discomfort may occur.

### 3 Composition/information on ingredients:

Sodiummetasilicate	0,5 - 2,5 %	CAS N°	6834-92-0
		EINECS	229-912-9
		Registration no.	
		CLP Classification	Skin Corr. 1B H314 - STOT SE 3 H335
		pictogram	GHS05 - GHS07
		Symbol	C
		R-Phrases	34 - 37

For the full text of the H & R phrases mentioned in this section, see section 16.

### 4 First aid measures:

#### 4.1 Description of first aid measures:

Always ask medical advice as soon as possible should serious or continuous disturbances occur

**Skin contact** : rinse first with plenty of water, if necessary seek medical attention

**Eye contact** : rinse first with plenty of water, if necessary seek medical attention

**Ingestion** : have mouth rinsed and take to hospital immediately

**Inhalation** : in case of serious or continuous discomforts: remove to fresh air and seek medical attention

#### 4.2 Most important symptoms and effects, both acute and delayed:

**Skin contact** : none

**Eye contact** : redness

**Ingestion** : diarrhoea, headache, abdominal cramps, sleepiness, vomiting

#### 4.3 Indication of any immediate medical attention and special treatment needed:

none

### 5 Fire-fighting measures:

#### 5.1 Extinguishing media :

non flammable

#### 5.2 Special hazards arising from the substance or mixture:

none

#### 5.3 Advice for fire-fighters:

Extinguishing agents to be avoided:none

### 6 Accidental release measures:

#### 6.1 Personal precautions, protective equipment and emergency procedures:

no eating, drinking or smoking during work, keep in a sealed container, out of reach of children

#### 6.2 Environmental precautions:

do not allow to flow into sewers or open water

#### 6.3 Methods and material for containment and cleaning up:

in case the undiluted product is discharged accidentally, neutralize to pH 7

#### 6.4 Reference to other sections:

For further information check sections 8 & 13

### 7 Handling and storage:

#### 7.1 Precautions for safe handling:

handle with care to avoid spillage

#### 7.2 Conditions for safe storage, including any incompatibilities:

keep in a sealed container in a closed, frost-free, ventilated room Packing materials to be avoided: metals

### 7.3 Specific end use(s):

special additive

## 8 Exposure controls/personal protection:

### 8.1 Control parameters:

Follows a list of the hazardous elements mentioned sub 3. of which the TLV value is known:

/,

### 8.2 Exposure controls:

**Inhalation protection** : none

**Skin protection** : none

**Eye protection**: none

**Other protection**: none

## 9 Physical and chemical properties:

Melting point/melting range, °C	:	0
Boiling point/Boiling range, °C	:	100
pH	:	8,5
pH 1% diluted in water	:	/
Vapour pressure/20°C, Pa	:	2332
Vapour density, %	:	n/a
Relative density/20°C	:	/
Appearance/20°C	:	liquid
Flash point, °C	:	/
Flammability (solid, gas)	:	n/a
Auto-ignition temperature, °C	:	/
Upper flammability or explosive limit, Vol %	:	n/a
Lower flammability or explosive limit, Vol %	:	n/a
Explosive properties	:	n/a
Oxidising properties	:	n/a
Decomposition temperature, °C	:	n.d.a.
Solubility in water	:	completely soluble
Partition coefficient: n-octanol/water, %	:	n/a
Odour	:	characteristic
Odour threshold	:	n/a
Dynamic viscosity, mPa.s/20°C	:	1
Kinematic viscosity, mm <sup>2</sup> /s/20°C	:	/
Evaporation rate (n-BuAc = 1)	:	0,3

### 9.2 Other information:

Volatile organic component (VOC), %	:	0
Volatile organic component (VOC), g/l	:	0

## 10 Stability and reactivity:

### 10.1 Reactivity:

keep in a sealed container in a closed, frost-free, ventilated room

### 10.2 Chemical stability:

keep away from acids

### 10.3 Possibility of hazardous reactions:

acids

#### 10.4 Conditions to avoid:

handle with care to avoid spillage

#### 10.5 Incompatible materials:

metals

#### 10.6 Hazardous decomposition products:

keep away from acids

### 11 Toxicological information:

#### 11.1 Information on toxicological effects:

**About the substance itself:** not applicable under actual EEC guidelines for preparations

**General information:** see ingredients under section 3

**Calculated acute toxicity, LD50 oral rat, mg/kg:** 4211

### 12. Ecological information:

#### 12.1 Toxicity:

not applicable under actual EEC guidelines for preparations

#### 12.2 Persistence and degradability:

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

#### 12.3 Bioaccumulative potential:

not applicable under actual EEC guidelines for preparations

#### 12.4 Mobility in soil:

Water hazard class, WGK: 1

#### 12.5 Results of PBT and vPvB assessment:

not applicable under actual EEC guidelines for preparations

#### 12.6 Other adverse effects:

not applicable under actual EEC guidelines for preparations

### 13 Disposal considerations:

#### 13.1 Waste treatment methods:

The product may be discharged in the indicated percentages of utilization, provided it is neutralised to pH 7.  
Possible restrictive regulations by local authority should always be adhered to.

### 14 Transport information:

#### 14.1 UN number:

/

#### 14.2 UN proper shipping name:

ADR not applicable, /, /

#### 14.3 Transport hazard class(es):

class(es):

Identification number of the hazard: /

#### 14.4 Packing group:

/

#### 14.5 Environmental hazards:

Not dangerous to the environment

#### 14.6 Special precautions for user:

## 15 Regulatory information:

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Water hazard class, WGK	:	1
Volatile organic component (VOC), %	:	0
Volatile organic component (VOC), g/l	:	0

### 15.2 Chemical Safety Assessment:

n.d.a.

## 16. Other information:

### Legend to abbreviations used in the safety data sheet:

n.d.a.	:	No data available
n/a	:	not applicable
Nr	:	number
CAS	:	Chemical Abstracts Service
EINECS	:	European INventory of Existing Commercial chemical Substances
WGK	:	Water hazard class
ADR	:	Accord européen relatif au transport international des marchandises Dangereuses par Route
TLV	:	Threshold Limit Value
PTB	:	persistent, toxic, bioaccumulative
vPvB	:	very persistent and very bioaccumulative substances
CLP	:	Classification , Labelling and Packaging of chemicals

### Legend to the R & H Phrases used in the safety data sheet:

R34 Causes burns. R37 Irritating to respiratory system.  
H314 Causes severe skin burns. H335 May cause respiratory irritation.

### Composition by regulation (EC) 648/2004:

Nonionic surfactants <5% , NTA (nitrilotriacetic acid) and salts thereof <5%

### Reason of revision, changes of following items: 9, 16

### MSDS reference number:

ECM-102275

*This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 453/2010. Classification has been calculated in accordance with the European directive 67/548/EWG, 1999/45/EC and regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care.. We cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned.. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.*