

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 203

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:

Isopropanol	2,5 - 10 %	CAS N°	67-63-0
		EINECS	200-661-7
		Registration no.	01-2119457558-25
		CLP Classification	Flam. Liq. 2 H225 - Eye Irrit. 2 H319 - STOT SE 3 H336
		pictogram	GHS02 - GHS07
		Symbol	F, Xi
		R-Phrases	11 - 36 - 67

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 : remove contaminated clothing, rinse skin with plenty of water

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

Ingestion : rinse mouth with water and and seek medical attention

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 :

CO2, foam, powder, sprayed water

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:

leave to evaporate if quantity is small (<100ml), otherwise absorb with e.g. sand

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: none

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:

Isopropanol 997 mg/m³,

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	:	/
Boiling point/Boiling range, °C	:	78
pH	:	/
pH 1% diluted in water	:	/
Vapour pressure/20°C, Pa	:	4300
Vapour density, %	:	n/a
Relative density/20°C	:	1,000
Appearance/20°C	:	liquid
Flash point, °C	:	/
Flammability (solid, gas)	:	n/a
Auto-ignition temperature, °C	:	370
Upper flammability or explosive limit, Vol %	:	12
Lower flammability or explosive limit, Vol %	:	2
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	:	/
Kinematic viscosity, mm ² /s/20°C	:	/
Evaporation rate (n-BuAc = 1)	:	1,3

9.2 Other information:

Volatile organic component (VOC), %	:	No data available
Volatile organic component (VOC), g/l	:	No data available

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 sources of ignition

10.3 Possibility of hazardous reactions:

none known

10.4 Conditions to avoid:

handle with care to avoid spillage

10.5 Incompatible materials:

none

10.6 Hazardous decomposition products:

keep away from sources of ignition

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: No data available

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: No data available

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	:	No data available
Volatile organic component (VOC), %	:	No data available
Volatile organic component (VOC), g/l	:	No data available

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:

R11 Highly flammable. R36 Irritating to eyes. R67 Vapours may cause drowsiness and dizziness
H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

Composition by regulation (EC) 648/2004:

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

MSDS reference number:

ECM-101808

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.