

SAFETY DATA SHEET

Revision date: 10/05/2012

Print date: 14/05/2012

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

1.1 Product identifier:

ORION 299

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

1.4 Emergency telephone number:

Local: 070.245.245

Worldwide: XX32.70.245.245

2 Hazards identification:

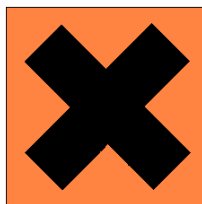
2.1 Classification of the substance or mixture:

Harmful

R20 R65 R66

2.2 Label elements:

Symbols:



Harmful

R-Phrases

R20	Harmful by inhalation.
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking

Safety phrases

S2	Keep out of reach of children.
S23	Do not breathe spray.
S24	Avoid contact with skin.
S46	If swallowed, seek medical advice immediately and show this container or label.

Contains:

Naphta heavy (low boiling point hydrogen treated),

Xylene, mixture of isomers,
Ethylbenzene

2.3 Other hazards:

none

3 Composition/information on ingredients:

Naphta heavy (low boiling point hydrogen treated)	> 50 %	CAS N° EINECS Registration no. CLP Classification R-Phrases	64742-48-9 265-150-3 10 - 65 - 66
Xylene, mixture of isomers	2,5 - 10 %	CAS N° EINECS Registration no. CLP Classification R-Phrases	1330-20-7 215-535-7 01-2119486136-34, 01-2119488216-32 Flam. Liq. 3 H226 - Acute Tox. 4 H332 - Acute Tox. 4 H312 - Skin Irrit. 2 H315 10 - 20/21 - 38
Ethylbenzene	2,5 - 10 %	CAS N° EINECS Registration no. CLP Classification R-Phrases	100-41-4 202-849-4 Flam. Liq. 2 H225 - Acute Tox. 4 H332 11 - 20 - 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, wash skin with water and soap
Eye contact : rinse first with plenty of water, if necessary seek medical attention
Ingestion : rinse mouth, do not induce vomiting, 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** : is absorbed, dry skin, redness
Eye contact : redness
Ingestion : abdominal cramp, diarrhoea, dizziness, headache

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:

remove by using absorbent material

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:

Xylene, mixture of isomers 221 mg/m³, Ethylbenzene 442 mg/m³,

8.2 Exposure controls:

Inhalation protection : universal mask, ABEK
Skin protection : gloves, chemical proof
Eye protection : none
Other protection : protective clothing



9 Physical and chemical properties:

Melting point/melting range, °C : < -20
Boiling point/Boiling range, °C : 136 - 190
pH : /
pH 1% diluted in water : /
Vapour pressure/20°C, Pa : 13300
Vapour density, % : n/a
Relative density/20°C : 0,900
Appearance/20°C : liquid
Flash point, °C : 70
Flammability (solid, gas) : n/a
Auto-ignition temperature, °C : 430
Upper flammability or explosive limit, Vol % : 8

Lower flammability or explosive limit, Vol %	: 0,6
Explosive properties	: n/a
Oxidising properties	: n/a
Decomposition temperature, °C	: n.d.a.
Solubility in water	: insoluble
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)	: 0,84

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:

not applicable

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:

Draining into the sewers is not permitted. Removal should be carried out by licensed services.

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), : No data available
g/l

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
WGK 1	: slightly hazardous for water
WGK 2	: hazardous for water
WGK 3	: extremely hazardous for water
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:

R10 Flammable. R11 Highly flammable. R20 Harmful by inhalation. R21 Harmful in contact with skin. R38 Irritating to skin. R65 Harmful: may cause lung damage if swallowed R66 Repeated exposure may cause skin dryness or cracking R67 Vapours may cause drowsiness and dizziness

H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H312 Harmful in contact with skin. H315 Causes skin irritation. H332 Harmful if inhaled.

Composition by regulation (EC) 648/2004:

Aliphatic hydrocarbons >30% , Aromatic hydrocarbons 5 < 15%

Reason of revision, changes of following items: 2, 8, 15, 16

MSDS reference number:

ECM-101810

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.