

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product trade name : KRONOPLUS 2122

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

Intended uses : Industrial Cleaner

Uses advised against : All other applications except: Industrial Cleaner

1.3. Details of the supplier of the safety data sheet

Paint Trade LLC
Ukraine, Dnipro, Startova Str.3
phone: +38 (056) 375-70-25
fax: +38 (056) 375-70-30

1.4. Emergency telephone number

: +38(056)375-70-25

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Acute toxicity - Oral

Category 4 – H302

Serious eye damage/ eye irritation

Category 1 – (H318)

Classification procedure: Calculation method

2.2. Label elements

Label elements :



Contains :

Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-, Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched

Signal word :

DANGER

Hazard Statements :

H302 - Harmful if swallowed
H318 - Causes serious eye damage

Precautionary statements :

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/ physician
P201 - Obtain special instructions before use

2.3. Other hazards

None under normal use

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. Product is a mixture

3.2. Mixture

Description of the mixture:



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Product is a mixture of: water, polymer, additive

Hazardous ingredients

| Chemical name | EC No | Index.No | REACH Registration No | Weight % | Classification according to Regulation (EC) No 1272/2008 (CLP) |
|-----------------------------------------------------------------------------------|-----------|--------------|-----------------------|----------|----------------------------------------------------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched Proprietary | Polymer | | 02-2119552461-55 | 10-30 | Acute Tox. 4 (H302) Eye Dam. 1 (H318) |
| Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-160875-66-1 | 605-233-7 | | | 5-10 | Acute Tox. 4 (H302) Eye Dam. 1 (H318) |
| Diethylene glycol monobutyl ether 112-34-5 | 203-961-6 | 603-096-00-8 | 01-2119475104-44 | 5-10 | Eye Irrit. 2 (H319) |
| Alcohols, C9-11, ethoxylated 68439-46-3 | 614-482-0 | | | 5-10 | Eye Irrit. 2 (H319) |

Full text of H- and EUH-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General notes:

: First aid may be given by the first person 'on the spot'. However, it is generally known that a first aider a person is with first aid training. First aiders should be familiar with the specific conditions and hazards at the workplace.
Show this safety data sheet to the doctor in attendance.

Following inhalation:

: Not hazardous by inhalation

Following skin contact:

: Not hazardous by skin contact

Following eye contact:

: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Following ingestion

: Induce vomiting. Rinse mouth with water. Call the local Poison Control Centre or a doctor and follow their advice. They will ask you for specific information, such as the name of the product, the amount ingested and the condition of the victim.

Self-protection of the first aider

First aider needs to protect himself.

4.2. Most important symptoms and effects, both acute and delayed

Following inhalation:

: Acute: There are no symptoms or effects reported

Delayed: There are no symptoms or effects reported

Following skin contact

: Acute: There are no symptoms or effects reported.

Delayed: There are no symptoms or effects reported.

Following eye contact:

: Acute: There are no symptoms or effects reported

Delayed: There are no symptoms or effects reported

Following ingestion:

Acute: Nausea, Abdominal pain.

Delayed: Nausea, Abdominal pain.

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: : Dry chemical, Foam, Water, Carbon dioxide (CO2)

Unsuitable extinguishing media:

High volume water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : Not applicable – boils at 100°C (product contains water)

5.3. Advice for firefighters

Standard procedure for chemical fires



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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: : Use suitable protective equipment (see also section 8) to prevent any contamination of skin, eyes and personal clothing..

Emergency procedures: Consult an expert.

6.1.2. For emergency responders

Protective equipment Use suitable protective equipment (see also section 8) to prevent any contamination of skin, eyes and personal clothing.

Emergency procedures Consult an expert.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system

6.3. Methods and material for containment and cleaning up

For containment: : Covering of the drains

For cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

Other information Clear spills immediately

6.4. Reference to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Measures to prevent fire : Always keep ignition sources and product separated. Use a fire suppression system which is suitable for the facility and the potential hazards.

Measures to prevent aerosol and dust generation: : Provide sufficient air exchange and/ or exhaust in work rooms

Measures to protect the environment Do not flush into surface water or sanitary sewer system

Advice on general occupational hygiene Wash hands thoroughly after handling

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions : Storage at 5 - 40 ° C Keep from freezing

Packaging materials Store in original package or in dedicated storage tank.

Requirements for storage rooms and vessels: Store in accordance with local and national regulations.

Stoage class 10 (D: TRGS 510)

Further information on storage conditions: No data available

7.3. Specific end use(s)Информация отсутствует

Recommendations See our technical data sheet

Concentration to be used .

Industrial sector specific solutions: See our technical data sheet.

Exposure scenario(s): Exposure scenario is not yet available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-,branched

| | |
|----------------------------------------------------------------------------------------------------------------|------------|
| EU - Occupational Exposure (2000/ 39/ EC) - First List of Indicative Occupational Exposure Limit Values - TWAs | Not listed |
|----------------------------------------------------------------------------------------------------------------|------------|

| | |
|-----------------------------------------------------------------------------------------------------------------|------------|
| EU - Occupational Exposure (2000/ 39/ EC) - First List of Indicative Occupational Exposure Limit Values - STELs | Not listed |
|-----------------------------------------------------------------------------------------------------------------|------------|

Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy

| | |
|---------------------------------------------------------------------------------------------------------------|------------|
| EU - Occupational Exposure (2000/ 39/ EC) - First List of Indicative Occupational Exposure Limit Values -TWAs | Not listed |
|---------------------------------------------------------------------------------------------------------------|------------|

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| | |
|----------------------------------------------------------------------------------------------------------------|------------------------------------|
| EU - Occupational Exposure (2000/ 39/ EC) - First List of Indicative Occupational Exposure Limit Values -STELs | Not listed |
| Diethylene glycol monobutyl ether | |
| EU - Occupational Exposure (2000/ 39/ EC) - First List of Indicative Occupational Exposure Limit Values -TWAs | Not listed |
| EU - Occupational Exposure (2000/ 39/ EC) - First List of Indicative Occupational Exposure Limit Values -STELs | Not listed |
| EU - Occupational Exposure (2006/15/EC) - Second List of Indicative Occupational Exposure Limit Values -TWAs | 67.5 mg/m ³ |
| EU - Occupational Exposure (2006/15/EC) - Second List of Indicative Occupational Exposure Limit Values -STELs | 101.2 mg/m ³ |
| Austria - Occupational Exposure Limits - TWAs - (MAK-TMWs) | 67.5 mg/m ³ |
| Austria - Occupational Exposure Limits - STELs - (MAK-KZWs) | 101.2 mg/m ³ 4 X 15 min |
| Belgium - Occupational Exposure Limits - TWAs | 67.5 mg/m ³ |
| Belgium - Occupational Exposure Limits - STELs | 101.2 mg/m ³ |
| Bulgaria - Occupational Exposure Limits - TWAs | 67.5 mg/m ³ |
| Bulgaria - Occupational Exposure Limits - STELs | 101.2 mg/m ³ |
| Czech Republic - Occupational Exposure Limits - TWAs | 100 mg/m ³ |
| Denmark - Occupational Exposure Limits - TWAs | 68 mg/m ³ |
| Finland - Occupational Exposure Limits - TWAs | 68 mg/m ³ |
| France - Occupational Exposure Limits - TWAs (VME) | 67.5 mg/m ³ |
| France - Occupational Exposure Limits - STELs (VLCT) | 101.2 mg/m ³ |
| Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs) | 67 mg/m ³ |
| Hungary - Occupational Exposure Limits - TWAs (AKs) | 67.5 mg/m ³ |
| Hungary - Occupational Exposure Limits - STELs (CKs) | 101.2 mg/m ³ |
| Italy - Occupational Exposure Limits - TWAs | 67.5 mg/m ³ |
| Italy - Occupational Exposure Limits - STELs | 101.2 mg/m ³ |
| Latvia - Occupational Exposure Limits - TWAs | 67.5 mg/m ³ |
| Latvia - Occupational Exposure Limits - STELs | 101.2 mg/m ³ |
| Lithuania - Occupational Exposure Limits - TWAs (IPRDs) | 100 mg/m ³ |
| Lithuania - Occupational Exposure Limits - STELs (TPRDs) | 200 mg/m ³ |
| Luxembourg - Occupational Exposure Limits - TWAs | 67.5 mg/m ³ |
| Luxembourg - Occupational Exposure Limits - STELs | 101.2 mg/m ³ |
| Netherlands - Occupational Exposure Limits - TWAs | 50 mg/m ³ |
| Netherlands - Occupational Exposure Limits - STELs | 100 mg/m ³ |
| Norway - Occupational Exposure Limits - TWAs | 68 mg/m ³ |
| Norway - Occupational Exposure Limits - STELs | 102 mg/m ³ |
| Poland - Occupational Exposure Limits - TWAs (NDSs) | 67 mg/m ³ |
| Poland - Occupational Exposure Limits - STELs (NDSChs) | 100 mg/m ³ |
| Portugal - Occupational Exposure Limits - TWAs (VLE-MPs) | 10 ppm 67.5 mg/m ³ |
| Portugal - Occupational Exposure Limits - STELs (VLE-CDs) | 15 ppm 101.2 mg/m ³ |
| Romania - Occupational Exposure Limits - TWAs | 67.5 mg/m ³ |
| Romania - Occupational Exposure Limits - STELs | 101.2 mg/m ³ |
| Slovak Republic - Occupational Exposure Limits - TWAs | 67.5 mg/m ³ |
| Slovenia - Occupational Exposure Limits - TWAs | 67.5 mg/m ³ |
| Slovenia - Occupational Exposure Limits - STELs | 101.25 mg/m ³ |
| Spain - Occupational Exposure Limits - TWAs (VLA-EDs) | 67.5 mg/m ³ |

| | |
|----------------------------------------------------------------------------------------------------------------|-------------------------|
| Spain - Occupational Exposure Limits - STELs (VLA-ECs) | 101.2 mg/m ³ |
| Sweden - Occupational Exposure Limits - TLVs (LLVs) | 68 mg/m ³ |
| Sweden - Occupational Exposure Limits - STELs (STVs) | 101 mg/m ³ |
| United Kingdom - Workplace Exposure Limits (WELs) - TWAs | 67.5 mg/m ³ |
| United Kingdom - Workplace Exposure Limits (WELs) - STELs | 101.2 mg/m ³ |
| Alcohols, C9-11, ethoxylated | |
| EU - Occupational Exposure (2000/ 39/ EC) - First List of Indicative Occupational Exposure Limit Values -TWAs | Not listed |
| EU - Occupational Exposure (2000/ 39/ EC) - First List of Indicative Occupational Exposure Limit Values -STELs | Not listed |

8.2. Exposure controls

Technical measures to prevent exposure : Ensure adequate ventilation, especially in confined areas.

Personal protection equipment :



Eye and face protection: : Wear eye/ face protection

Skin protection :

Hand protection:
The use of chemical resistant gloves is recommended.
Other skin protection:
Long sleeved clothing
Wear safety shoes with oil resistant soles. Wear long sleeved protective clothing.

Respiratory protection : Adequate ventilation is recommended

Thermal hazards : Product represents no thermal hazards

Environmental exposure controls : Do not flush into surface water or sanitary sewer system

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Основные физико-химические свойства

| | |
|-----------------------------------------------|------------------------------------------------------------|
| Appearance | : Light yellow |
| Odour | : Characteristics |
| Odour threshold | : Mild odour |
| pH | : 8,3 |
| Melting point / freezing point (°C) | : No data available |
| Initial boiling point and boiling range (°C) | : 100 |
| Flash point (°C) | : Not applicable - boils at 100°C (product contains water) |
| Evaporarion rate (BuAc =1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Upper/lower flammability or explosive limits | : No data available |
| Vapour pressure (kPa) | : No data available |
| Vapour density (air=1) | : No data available |
| Relative density (g/cm ³) at 40°C | : 1,030 |
| Solubility(ies) in water | : Soluble |
| Partition coefficient: n-octanol/water | : No data available |
| Auto-ignition temperature (°C) | : No data available |
| Decomposition temperature (°C) | : No data available |



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Viscosity (mm²/s) at 20 °C : 1.00
Explosive properties : Product is not explosive
Oxidising properties : Product is not an oxidiser

9.2. Other information

Pourpoint (°C) <0

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage conditions

10.2. Chemical stability

Stable under recommended storage conditions

10.3. Possibility of hazardous reactions

Stable under recommended storage conditions

10.4. Conditions to avoid

Not known

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

None under normal use

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product data:

ATEmix - Oral (mg/kg): 300 -2000
ATEmix - Dermal (mg/kg): >2000
ATEmix - Inhalation (mg/l/4 h - vapours): >20

Component data:

| Chemical Name | LD50 - Oral, Rat (mg/kg) | LD50 - Dermal, Rabbit (mg/kg) | LC50 - Inhalation, Rat, 4h (mg/l) |
|------------------------------------------------------------------------------------------|--------------------------|-------------------------------|-----------------------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-,branched / Proprietary | 500 -2000 | >2000 | No data available |
| Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- 160875-66-1 | >700 - 1700 | No data available | No data available |
| Diethylene glycol monobutyl ether 112-34-5 | >2000 | No data available | No data available |
| Alcohols, C9-11, ethoxylated 68439-46-3 | >2000 | >2000 | No data available |

Skin corrosion/irritation

Product data:

Results: No data available

Serious eye damage/irritation

Product data:

Results: No data available

Respiratory or skin sensitisation

Product data:

Results: No data available

Germ cell mutagenicity

Product data:

Results: No data available

Carcinogenicity

Product data:



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Results: No data available
Reproductive toxicity
Product data:
Results: No data available
Summary of evaluation of the CMR properties
Product data:
Results: No data available
STOT - single exposure
Product data:
Results: No data available
STOT - repeated exposure
Product data:
Results: No data available
Aspiration hazard
Product data:
Results: No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute (short-term) toxicity

Product data:

LC50 (Fish - 96h): >100 mg/l
EC50 (Water Flea - 48h): >100 mg/l
IC50 (Algae - 72h): >100 mg/l

Component data:

| Chemical Name | LC50 (Fish - 96h) | EC50 (Water Flea - 48h) | IC50 (Algae - 72h) |
|---------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------|--------------------------------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega.-hydroxy- .branched / Proprietary | 1-10 mg/l | 1-10 mg/l | 1-10 mg/l |
| Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- 160875-66-1 | 10 - 100 mg/l (Oncorhynchus mykiss) | 10 - 100 mg/l (Daphnia magna) | 10 - 100 mg/l (Scenedesmus subspicatus) |
| Diethylene glycol monobutyl ether 112-34-5 | 1300 mg/L (Lepomis macrochirus) | 100 mg/L (Daphnia magna) | >100 mg/l (Scenedesmus subspicatus) |
| Alcohols, C9-11, ethoxylated 68439-46-3 | 1-10 mg/l | 1-10 mg/l | 4.5 mg/l |

Chronic (long-term) toxicity

Product data:

LC50 (Fish - 96h): >100 mg/l
EC50 (Water Flea - 48h): >100 mg/l
IC50 (Algae - 72h): >100 mg/l

Biodegradation: No data available

Partition coefficient n-octanol /water No data available (log Kow):

Bioconcentration factor (BCF) No data available

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Component data:

| Chemical Name | LC50 (Fish - 96h) | EC50 (Water Flea - 48h) | IC50 (Algae - 72h) |
|----------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|--------------------------------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy- ,branched / Proprietary | 1-10 mg/ l | 1-10 mg/ l | 1-10 mg/ l |
| Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- 160875-66-1 | 10 - 100 mg/l (Oncorhynchus mykiss) | 10 - 100 mg/l (Daphnia magna) | 10 - 100 mg/l (Scenedesmus subspicatus) |
| Diethylene glycol monobutyl ether 112-34-5 | 1300 mg/L (Lepomis macrochirus) | 100 mg/L (Daphnia magna) | >100 mg/l (Scenedesmus subspicatus) |
| Alcohols, C9-11, ethoxylated 68439-46-3 | 1-10 mg/ l | 1-10 mg/ l | 4.5 mg/ l |

| Chemical Name | Biodegradation | Partition coefficient n-octanol/water (log Kow) | Bioconcentration factor (BCF) |
|----------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------|-------------------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy- ,branched / Proprietary | No data available | No data available | No data available |
| Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- 160875-66-1 | No data available | No data available | No data available |
| Diethylene glycol monobutyl ether 112-34-5 | No data available | No data available | No data available |
| Alcohols, C9-11, ethoxylated 68439-46-3 | No data available | No data available | No data available |

12.2. Persistence and degradability

Product data:

Abiotic Degradation: No data available
Physical- and photo-chemical elimination: No data available
Biodegradation: No data available

Component data:

| Chemical Name | Abiotic Degradation | Physical- and photo-chemical elimination | Biodegradation |
|----------------------------------------------------------------------------------------------|---------------------|------------------------------------------|-------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy- ,branched / Proprietary | No data available | No data available | No data available |
| Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- 160875-66-1 | No data available | No data available | No data available |
| Diethylene glycol monobutyl ether 112-34-5 | No data available | No data available | No data available |
| Alcohols, C9-11, ethoxylated 68439-46-3 | No data available | No data available | No data available |

12.3. Bioaccumulative potential

Product data:

Partition coefficient n-octanol /water (log Kow): No data available
Bioconcentration factor (BCF): No data available



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Component data:

| Chemical Name | Partition coefficient n-octanol /water (log Kow) | Bioconcentration factor (BCF) |
|-------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched / Proprietary | No data available | No data available |
| Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- 160875-66-1 | No data available | No data available |
| Diethylene glycol monobutyl ether 112-34-5 | No data available | No data available |
| Alcohols, C9-11, ethoxylated 68439-46-3 | No data available | No data available |

12.4. Mobility in soil

Product data:

Known or predicted distribution to environmental compartments: No data available

Surface tension: No data available

Component data:

| Chemical Name | Known or predicted distribution to environmental compartments | Surface tension |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched / Proprietary | No data available | No data available |
| Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- 160875-66-1 | No data available | No data available |
| Diethylene glycol monobutyl ether 112-34-5 | No data available | No data available |
| Alcohols, C9-11, ethoxylated 68439-46-3 | No data available | No data available |

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

12.7. Additional information

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Packaging data: : Use a European return program for empty packaging. For example: ncg-europe.com.

Product data

As delivered:

16 03 - off-specification batches and unused products

16 03 05* - organic wastes containing hazardous substances

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not regulated

14.2 UN proper shipping name

Not regulated



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14.3 Transport hazard class(es)

Not regulated

14.4 Packing group

Not regulated

14.5 Environmental hazards

Not regulated

14.6 Special precautions for user

Not regulated

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not regulated

SECTION 15: REGULATORY INFORMATION

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

EU regulations

Authorisations and/or restrictions on use

Authorisations:

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

ANNEX XIV - LIST OF SUBSTANCES SUBJECT TO AUTHORISATION

Product does not contain substances as mentioned in this ANNEX.

Restrictions on use:

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

ANNEX XIII - CRITERIA FOR THE IDENTIFICATION OF PERSISTENT, BIOACCUMULATIVE AND TOXIC SUBSTANCES, AND VERY PERSISTENT AND VERY BIOACCUMULATIVE SUBSTANCES

Product does not contain substances as mentioned in this ANNEX.

ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

Product does not contain substances as mentioned in this ANNEX.

| Chemical Name | EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances |
|-----------------------------------------------|------------------------------------------------------------------------------------|
| Diethylene glycol monobutyl ether 112-34-5 | Use restricted. See item 55. |

Other EU regulations

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

Product is not subject to this regulation.

REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals

Product does not contain components as mentioned in this regulation.

COUNCIL REGULATION (EC) No 111/2005 of 22 December 2004 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

Product does not contain components as mentioned in this regulation.

REGULATION (EC) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer

Product does not contain components as mentioned in this regulation.



SAFETY DATA SHEET
according to Regulation (EC) No 1907/ 2006
as amended by Regulation (EU) No 2015/ 830

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REGULATION (EU) No 98/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 January 2013 on the marketing and use of explosives precursors
Product does not contain components as mentioned in this regulation.

Commission Decision of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste (notified under document number C(2000) 1147) (Text with EEA relevance) (2000/532/EC)

Waste codes / waste designations according to LoW:

As delivered: 16 03 - off-specification batches and unused products
16 03 05* - organic wastes containing hazardous substances

COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items
Product does contain components as mentioned in this regulation.

National regulations

In Spain
Product data:

In France
Product data:
Tableaux de maladies professionnelles: 84

In Germany
Product data:
Water hazard classes (Wassergefährungsklassen): 1 (S)

In Italy
Product data:
Altre disposizioni di normativa vigente: limite di soglia (LTV) ed indicatori biologici di esposizione (IBE) ACGIH 2001 Protezione dei lavoratori contro i rischi derivanti dall'esposizione ad agenti chimici, fisici e biologici durante il lavoro (DL212 del 30/ 07/ 90)
Norme generali per l'igiene sul lavoro (DPR 303 del 19/ 3/ 56)
Regolamenti e tabelle sulle malattie professionali nell'industria (DPR 336 del 13/ 04/ 94) D.Lgs. 81/ 2008 del 9 Aprile 2008 e successive modifiche
Rischi incidenti rilevanti (Seveso bis - DL 334/ 99) Norme sugli scarichi (DM 51 del 12/ 7/ 90)
Norme sull'inquinamento atmosferico (DPR del 12/ 7/ 90 e del 25/ 7/ 91) Norme per la tutela della acque (DL 152 del 11/ 5/ 99)
Norme sullo smaltimento e sul trasporto dei rifiuti pericolosi (DL 22/ 97 e 389/ 97)
e attuazioni
Testo unico su classificazione, imballaggio ed etichettatura sostanze pericolose con recepimento fino alla Direttiva 2004/ 73/ CE (29° adeguamento al progresso tecnico della direttiva 67/ 548/ CE)
Norme per la compilazione della Scheda di Sicurezza con recepimento della direttiva 2001/ 58/ EC

In Poland
Product data:
The Regulation (EC) No 1907/ 2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/ 45/ EC of the trades and repealing the trades the Regulation repealing Council Regulation (EEC) nr 793/ 93. The regulation lation (EC) nr 1488/ 94, as well as Council Directive 76/ 769/ EEC and Commission Directives 91/ 155/ EEC, 93/ 67/ EEC, 93/ 105/ EC and 2000/ 21/ EC, as amended Regulation of the European Parliament and of the Council (EC) nr 1272/ 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing the Directives 1999/ 45/ EC, Directive 67/ 548/ EEC and amending the Regulation (EC) nr 1907/ 2006, with changes. Ordinance of the Minister of Health of 30 December 2004 on safety and health relationship are tied to the existence of chemical agents (Dz.U.2005nr11poz.86), as amended. The Act of 25 February 2011 chemical substances and mixtures (Dz.U.2011nr63poz.322). Ordinance of the Minister of Health of 20 April 2012 on the labeling of chemical substances and mixtures, and certain mixtures (Dz.U.2012nr0poz.445). Ordinance of the Minister of Labour and Social Policy of 6 June 2014 on maximum permissible concentration assumptions Nate assumptions of harmful factors in the working environment. The Act of 27 April 2001 r.o waste (Dz.U.2001 No. 62 item 628). Ordinance of the Minister of Environment of 27 September 2001. on waste (Dz.U.Nr112, item 1206). Regulation (EU) No 453/ 2010 of 20 May 2010 amending the CYM The Regulation (EC) No 1907/ 2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/ mixture by the supplier

SECTION 16: OTHER INFORMATION



SAFETY DATA SHEET
according to Regulation (EC) No 1907/ 2006
as amended by Regulation (EU) No 2015/ 830

KRONOPLUS 2122

Abbreviations and acronyms

CLP - Regulation (EC) No 1272/ 2008 on classification, labelling and packaging of substances and mixtures REACH - Regulation (EC) No 1907/ 2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals

Key literature references and sources for data Compilation of safety data sheet:

Regulation (EC) No 1907/ 2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/ 45/ EC and repealing Council Regulation (EEC) No 793/ 93 and Commission Regulation (EC) No 1488/ 94 as well as Council Directive 76/ 769/ EEC and Commission Directives 91/ 155/ EEC, 93/ 67/ EEC, 93/ 105/ EC and 2000/ 21/ EC

Amended by:

Commission Regulation (EU) No 453/ 2010 of 20 May 2010 amending Regulation (EC) No 1907/ 2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Text with EEA relevance)

Classification procedure: Calculation method

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

Training advice

The information contained in this safety data sheet must be available to the professional user. The professional user of this product must be adequately informed about the possible hazards of this product. The professional user of this product must be adequately trained in the safe handling and use of chemical products.

Further information Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/ health/ environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product.