

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Product trade name : KRONOPLUS 2044

**1.2. Relevant identified uses of the substance or mixture and uses advised against**Intended uses : Phosphating  
Uses advised against : Metal surface treatment**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]

Serious eye damage/ eye irritation Category 2 – (H319)

Classification procedure: Calculation method

**2.2. Label elements**

Label elements :

Contains :  
Signal word : WARNING  
Hazard Statements : H319 - Causes serious eye irritation  
Precautionary statements : P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing**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**

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

Chemical name	EC No	Index.No	REACH Registration No	Weight %	Classification according to Regulation (EC) No 1272/2008 (CLP)
Sodium carbonate, anhydrous 497-19-8	207-838-8	011-005-00-2	01-2119485498-19	30 - 100	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 Call a physician immediately
Following ingestion	: Rinse mouth
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: Irritation, Redness. Delayed: Irritation, Redness.
Following ingestion:	Acute: There are no symptoms or effects reported. Delayed: There are no symptoms or effects reported.

**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 chemicals, foam or carbon dioxide, water or water-based foam can also be used
Unsuitable extinguishing media:	High volume water jet

**5.2. Special hazards arising from the substance or mixture**

Hazardous combustion products	: Carbon monoxide (CO)
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**5.3. Advice for firefighters** Standard procedure for chemical fires**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.
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**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.
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**6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: absorbing material, organic, sand

**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). 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**

Precautions for safe handling : Always keep ignition sources and product separated. Use a fire suppression system which is suitable for the facility and the potential hazards.  
 Provide sufficient air exchange and/ or exhaust in work rooms.  
 Do not flush into surface water or sanitary sewer system  
 Wash hands thoroughly after handling

**7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions: store at 5 - 40°C  
 Store in original package or in dedicated storage tank.  
 Store in accordance with local and national regulations.  
 Storage class 11 (D: TRGS 510)

**7.3. Specific end use(s)Информация отсутствует**

Recommendations See our technical data sheet  
 Concentration to be used See technical data sheet  
 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**

<b>Sodium carbonate, anhydrous</b>	
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
Czech Republic - Occupational Exposure Limits - TWAs	5 mg/ m 3
Romania - Occupational Exposure Limits - TWAs	1 mg/ m 3
Romania - Occupational Exposure Limits - STELs	3 mg/ m 3

**8.2. Exposure controls**

Eye and face protection Wear eye/ face protection Safety glasses with side-shields.  
 Protection for skin : Long sleeved clothing  
 Protection for hands : Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber  
 Respiratory protection : Effective dust mask. 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. Information on basic physical and chemical propertie**

Appearancee : White powder  
 Odour : Odourless  
 Odour threshold : Odourless  
 pH : Not appicable  
 Melting point / freezing point (°C) : No data available  
 Initial boiling point and boiling range (°C) : No data available  
 Flash point (°C) : No data available  
 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<sup>3</sup>) at 40°C : 1,0  
 Solubility(ies) in water : Not Soluble  
 Partition coefficient: n-octanol/water : No data available  
 Auto-ignition temperature (°C) : No data available  
 Decomposition temperature (°C) : No data available  
 Viscosity (mm<sup>2</sup>/s) at 20 °C : No data available  
 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**

None 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): >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)
Sodium carbonate, anhydrous 497-19-8	>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:

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)
Sodium carbonate, anhydrous 497-19-8	<310-1220 mg/ L (Pimephales promelas) 300 mg/ L (Lepomis macrochirus)	265 mg/ L (Daphnia magna)	>100 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(log Kow): No data available

Bioconcentration factor (BCF) No data available

Component data:

Chemical Name	LC50 (Fish - 96h)	EC50 (Water Flea - 48h)	IC50 (Algae - 72h)
Sodium carbonate, anhydrous 497-19-8	<310-1220 mg/L (Pimephales promelas) 300 mg/L (Lepomis macrochirus)	265 mg/ L (Daphnia magna)	>100 mg/l

Chemical Name	Biodegradation	Partition coefficient n-octanol /water (log Kow)	Bioconcentration factor (BCF)
Sodium carbonate, anhydrous 497-19-8	No data available	No data available	No data available

**12.2. Persistence and degradability**

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

Component data:

Chemical Name	Partition coefficient n-octanol /water (log Kow)	Bioconcentration factor (BCF)
Sodium carbonate, anhydrous 497-19-8	No data available	No data available

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

None

**12.6. Other adverse effects**

None

**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 03\* - inorganic wastes containing hazardous substances

Used

No data available

**SECTION 14: TRANSPORT INFORMATION**

**14.1 UN number**

Not regulated

**14.2 UN proper shipping name**

Not regulated

**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

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 components 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

VERY PERSISTENT AND VERY BIOACCUMULATIVE SUBSTANCES

Product does not contain components 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 components as mentioned in this ANNEX

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 (EC) No 689/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL of 17 June 2008 concerning the export and import of dangerous 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.

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 03\* - inorganic 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.

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No

1907/2006 of the European Parliament and of the Co

### 15.2. Chemical safety assessment

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

## SECTION 16: OTHER INFORMATION

### 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

H319 - Causes serious eye irritation

**Training advice**



SAFETY DATA SHEET  
according to Regulation (EC) No 1907/ 2006  
as amended by Regulation (EU) No 2015/ 830  
**KRONOPLUS 2044**

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.