

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

Product trade name : KRONOPLUS 2090

1.2. Relevant identified uses of the substance or mixture and uses advised againstIntended uses : Passivation
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
info@silta.ua, www.silta.ua**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]**Skin corrosion/irritation: Category 2 - (H315)
Serious eye damage/irritation: Category 2 - (H319)
Reproductive toxicity: Category 1B - (H360FD)**Classification procedure: Calculation method****2.2. Label elements**

Label elements :



Contains : borax pentahydrate

Signal word : DANGER

Hazard Statements : H315 - Causes skin irritation.

H319: Causes serious eye irritation

H360FD: May damage fertility or the unborn child

Precautionary statements : P202: Do not handle until all safety precautions have been read and understood.

P233: Keep container tightly closed.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313: IF exposed or concerned: Get medical advice/attention

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:

Product is a mixture of: alcohol, water, amine, additives

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	Weighth %	Classification according to Regulation (EC) No 1272/2008 (CLP)
Bora Pentahydrate 12179-04-3	215-540-4		01-2119490790-32	60-70	Repr. 1B, H360FD
Sodium Carbonate 497-19-8	207-838-8	011-005-00-2		15 - 20	Eye Irrit. 2, H319
Triethanolamine 102-71-6	203-049-8			7-10	Skin Irrit. 2, H315 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:

: Take the victim into fresh air, loosen his clothes and let him rest.
Give artificial respiration, if necessary.

In case of symptoms, obtain medical help

Following skin contact:

: Wash the contaminated area with plenty of warm water and soap (for 15 minutes)!
In case of symptoms, obtain medical attention and show him the label!
Remove contaminated clothes and wash them before re-use.

Following eye contact:

: In case of contact with eyes flush immediately with plenty of flowing water holding eyelids apart (for at least 15 – 30 minutes). Remove eye lenses, if possible.
Obtain medical help

Following ingestion

: Obtain medical attention and show him the label.
Place the victim into comfortable position!
Do not give the victim anything to eat or drink, and do not induce vomiting if the victim is unconscious.

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:

: May damage fertility or the unborn child

Following skin contact

: Causes skin irritation

Following eye contact:

: Causes serious eye irritation

Following ingestion:

May cause nausea, vomiting. May damage fertility or the unborn child.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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

: Product is neither flammable nor explosive.
Contact with common metals produces hydrogen which may form flammable mixtures with air. Keep product away from heat, sparks, open flames or hot surfaces

5.3. Advice for firefighters

Wear full protective clothing (EN 469) and self-contained breathing apparatus (SCBA, EN 133).

People are not allowed in the dangerous area. Containers exposed to fire or heat must be chilled by water or removed from the hazardous area.

Prevent water leakage into sewage or surface water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment:

: See protective measures under point 8.

Ensure adequate ventilation. Avoid skin, clothing and eye contact. Keep persons away from exposure zone. Wear chemically resistant gloves, goggles and protective clothing.

Containers exposed to fire or heat shall be cooled by water or eliminated from the danger zone

6.1.2. For emergency responders

Protective equipment

Wear personal protection equipment according to point 8.

In case of exposure ask for medical assistance.

Remove contaminated clothing and wash them before re-use.

See protective measures under point 7 and 8

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:

: Dilute the spilled material with water and then collect the spillage by using suitable absorbent material. If material leakage cannot be prevented at the point of discharge, use a retention tray, then use dry sand for collection.

For cleaning up

: Collect the sorbent applied. Place the collected absorbent material in a well-sealed container that is resistant to the mixture and label it properly. Polluted soiling contaminated with the mixture must be considered hazardous as the original mixture. The packaging of the resulting waste is considered to be hazardous as well.

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

: Observe conventional hygiene precautions.

Avoid breathing vapour.

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

Do not eat, drink or smoke when using this product.

Observe exposure limits.

At the place of work, indicate the dangers arising from the product in accordance with Directive 1992/58 / EC.

Provide emergency shower and eye-wash station at the place of work.

Precautions against fire and explosion:

Product is not flammable.

7.2. Conditions for safe storage, including any incompatibilities

A chemical resistant floor is required.

Keep in closed area, in the original, tightly closed and labelled container.

Store in cool and dry place.

Store in vertical position.

Do not expose to direct sunlight.

Keep in the package provided by the manufacturer. If re-packing is necessary, apply packaging that is resistant to the mixture.

Technical measures and storage condition: store at 5 - 40°C

Incompatible materials:

Do not store together with strong oxidizing agents, acids or metals.

Keep away from food, beverages and forage.

Keep in original, tightly closed and labelled container. Metal containers are not suitable.

Avoid falling or damage of containers

Shelf lifetime: 1 year

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

No data available

8.2. Exposure controls

General terms:	<p>Get acquainted with the special instructions for the mixture before use.</p> <p>Do not use until all safety precautions have been read and understood.</p> <p>Wash your hands thoroughly at the beginning of the breaks and after work.</p> <p>Do not eat while working. No smoking allowed. Avoid contact with eyes and skin. Do not swallow. Do not inhale vapours.</p> <p>Immediately remove contaminated clothing and rinse immediately after work</p>
Eye protection	Use close fitting safety goggles (EN 166), don't use eye lenses if possible.
Protection for skin	: Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton. During loading operations: wear protective helmet
Protection for hands	: Wear chemically resistant gloves (EN 374). The protective gloves material must not be permeable and resistant to the mixture. For example: PVC, neoprene, rubber, with a minimum thickness of 0.4 mm.
Skin protection	: Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton. During loading operations: wear protective helmet.:
Respiratory protection	: Apply artificial respiration. If adequate ventilation can not be ensured, use mask against inorganic vapours and gases with BFFP2, FFP3 or equivalent filters according to EN 140. (Filter capacity is determined by exposure estimation.). Respiratory protection only serves to protect the residual risk of short-term activities whenever practically feasible steps (e.g. local exhaust ventilation) have been taken to minimize the danger. Instructions of manufacturers regarding use and maintenance of respirators shall be followed
Thermal hazards	Product represents no thermal hazards

Environmental exposure controls

During application, if necessary, the proportion of airborne, technological sewage must be recovered. During the handling, transport and overhaul of the mixture the possibility of an accident shall be taken into consideration, therefore the conditions for storage and loading of the mixture should be chosen accordingly

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	:	White powder
Odour	:	Odourless
Odour threshold	:	No data available
pH	:	10 (Sol. 30g/l)
Melting point / freezing point (°C)	:	No data available
Initial boiling point and boiling range (°C)	:	No data available
Flash point (°C)	:	No data available
Evaporation 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	:	No data available
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
Viscosity (mm ² /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**

Toxicological information of the main substances found in the mixture:

Borax pentahydrate - CAS: 12179-04-3

LD50 oral (rat): >2500 mg/ kg bw

LC50 inhalation (rat): >2,04 mg/ l / 4h

LD50 dermal (rabbit): > 2000 mg / kg bw

Sodium carbonate - CAS: 497-19-8

LD50 oral (rat): 2800 mg/ kg bw

LC50 inhalation (rat): 2300 mg/ m³ / 2h

LD50 dermal (rabbit): > 2000 mg / kg bw

Triethanolamine - CAS: 102-71-6

LD50 oral (rat): 6400 mg/ kg bw

LC50 inhalation (rat): 1,8 mg/ m³ / 8h

LD50 dermal (rabbit): > 2000 mg / kg bw

- a) acute toxicity: not known
- b) skin corrosion/irritation: skin irritating
- c) serious eye damage/irritation: causes serious eye damage
- d) respiratory or skin sensitisation: does not have sensitizing effect
- e) germ cell mutagenicity: is not mutagenic
- f) carcinogenicity: is not carcinogenic
- g) reproductive toxicity: may damage fertility or the unborn child
- h) STOT-single exposure: not known
- i) STOT-repeated exposure: not known
- j) aspiration hazard: not known

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity to fish, Daphnia and other aquatic invertebrates

Borax pentahydrate - CAS: 12179-04-3

LC50 (Pimephales promelas): 79,7 mg/l / 96h

NOEC (Danio rerio): 6,4 mg/l / 34 days

LC50 (Lampsilis siliquoidea): 137 mg/l / 96h

NOEC (Brachionus calyciflorus): 25,4 mg/l / 72h

Sodium carbonate - CAS: 497-19-8

LC50 (Lepomis macrochirus): 300 mg/l / 96h

EC50 (Ceriodaphnia sp.): 200 – 227 mg/l / 48h

Triethanolamine - CAS: 102-71-6

LC50 (Pimephales promelas): 11800 g/l / 96h

EC50 (Ceriodaphnia dubia): 609,88 mg/l / 48h

NOEC (Daphnia magna): 16 mg/l / 21days

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

Avoid entering in soil, groundwater and water drains.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

12.7. Additional information

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

: Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.
As delivered:
As delivered: 11 01 09* Sludges and filter cakes containing dangerous substances
15 01 10* packaging containing residues of or contaminated by dangerous substances

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not classified as dangerous in the meaning of transport regulations

14.2 UN proper shipping name

CO Not classified as dangerous in the meaning of transport regulations

14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations

14.4 Packing group: III

14.5 Environmental hazards

No data about environmental hazard

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations

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

Not classified as dangerous in the meaning of transport regulations

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)



SAFETY DATA SHEET
according to Regulation (EC) No 1907/ 2006
as amended by Regulation (EU) No 2015/ 830
KRONOPLUS 2090

(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

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H360FD: May damage fertility or the unborn child

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.