

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Trade name : Kronotreat® 2131-G

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Iron phosphating

1.2.2. Uses advised against

All other applications except: Iron phosphating

1.3. Details of the supplier of the safety data sheet

LTD PaintTeid

Postal address: Ukraine, 49041, Dnipro, St. Startovaya, 3

Tel. +38(056)375-70-25,

Fax: +38(056)375-70-30

info@silta.ua, www.silta.ua

SECTION 2: Hazards identification**2.1. 2.1. Classification of the substance or mixture****2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP]**

Acute Toxicity-Oral

Serious eye damage/eye irritation

Skin Sensitization

Category 4 - (H302)

Category 1 - (H318)

Category 1 - (H317)

Classification procedure:

Calculation method

2.2. Label elements

Contains Alcohols, C9-11, ethoxylated, disodium dihydrogenpyrophosphate, Alcohols, C12-18, ethoxylated, Orthophosphoric acid

Signal Word

DANGER

Hazard Statements

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction H318 - Causes serious eye damage

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

P310 - Immediately call a POISON CENTER or doctor/physician P280 - Wear eye protection/ face protection

2.3. Other hazards

No additional information available

Kroonotreat® 2131-G

Safety Data Sheet

according to Regulation (EU) 2015/830

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: salt, additives.

Hazardous ingredients:

Chemical Name	EC No	Index No	REACH Registration No	Weight-%	Classification according to Regulation (EC) No 1272/2008 (CLP)
disodium dihydrogenpyrophosphate 7758-16-9	231-835-0		01-2119489793-19	30 - 100	Eye Irrit. 2 (H319)
Alcohols, C12-18, ethoxylated 68213-23-0	500-201-8			1 - 5	Eye Dam. 1 (H318) Acute Tox. 4 (H302) Aquatic Chronic 3 (H412)
Sodium meta-nitrobenzenesulfonate 127-68-4	204-857-3	609-048-00-2	01-2119965131-44	1 - 5	Eye Irrit. 2 (H319) Skin Sens. 1 (H317)
Orthophosphoric acid 7664-38-2	231-633-2	015-011-00-6	01-2119485924-24	1 - 5	Met. Corr. 1 (H290) Skin Corr. 1B (H314)
Alcohols, C9-11, ethoxylated 68439-46-3	614-482-0			1 - 5	Eye Irrit. 2 (H319)

[x] Substances for which there are Community workplace exposure limits

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.

Following inhalation: Not hazardous by inhalation.

Following skin contact: Take off all contaminated clothing immediately.
Remove and wash contaminated clothing before re-use. Discard contaminated shoes.
Wash off immediately with soap and plenty of water.

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.

Kroonotreat® 2131-G

Safety Data Sheet

according to Regulation (EU) 2015/830

Following skin contact:

Acute: Hypersensitivity reaction.
Delayed: Hypersensitivity reaction.

Following eye contact:

Acute: Redness, Burns, Pain, Impaired vision.
Delayed: Redness, Burns, Pain, Impaired vision.

Following ingestion:

Acute: Nausea, Abdominal pain.
Delayed: Nausea, Abdominal pain.

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

Following inhalation: No data available

Following skin contact: No data available

Following eye contact: No data available

Following ingestion: No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Dry chemical Foam Water
Carbondioxide(CO₂)

Unsuitable extinguishing media: Highvolumewaterjet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Sulphuroxides(SO_x)
Phosphor oxides (PO_x)

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.

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

Kroonotreat® 2131-G

Safety Data Sheet

according to Regulation (EU) 2015/830

- 6.3.1 Forcontainment:** Covering of the drains.
- 6.3.2 Forcleaningup:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
- 6.3.3 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

Protective measures:

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 4 - 40 ° C

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.

7.3. Specific end use(s)

Recommendations: See our 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

disodium dihydrogenpyrophosphate

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

Alcohols, C12-18, 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

Sodium meta-nitrobenzenesulfonate

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

Orthophosphoric acid

Kroonotreat® 2131-G

Safety Data Sheet

according to Regulation (EU) 2015/830

EU - Occupational Exposure (2000/39/EC) - First List of Indicative Occupational Exposure Limit Values - TWAs	1 mg/ m ³
EU - Occupational Exposure (2000/39/EC) - First List of Indicative Occupational Exposure Limit Values - STELs	2 mg/ m ³
Austria - Occupational Exposure Limits - TWAs - (MAK-TMWs)	1 mg/ m ³
Austria - Occupational Exposure Limits - STELs - (MAK-KZWs)	2 mg/ m ³ X 15 min
Belgium - Occupational Exposure Limits - TWAs	1 mg/ m ³
Belgium - Occupational Exposure Limits - STELs	2 mg/ m ³
Bulgaria - Occupational Exposure Limits - TWAs	1.0 mg/ m ³
Bulgaria - Occupational Exposure Limits - STELs	2.0 mg/ m ³
Czech Republic - Occupational Exposure Limits - TWAs	1 mg/ m ³
Denmark - Occupational Exposure Limits - TWAs	1 mg/ m ³
Finland - Occupational Exposure Limits - TWAs	1 mg/ m ³
Finland - Occupational Exposure Limits - STELs	2 mg/ m ³
France - Occupational Exposure Limits - TWAs (VME)	1 mg/ m ³
France - Occupational Exposure Limits - STELs (VLCT)	2 mg/ m ³
Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs)	2 mg/ m ³
Hungary - Occupational Exposure Limits - TWAs (AKs)	1 mg/ m ³
Hungary - Occupational Exposure Limits - STELs (CKs)	2 mg/ m ³
Italy - Occupational Exposure Limits - TWAs	1 mg/ m ³
Italy - Occupational Exposure Limits - STELs	2 mg/ m ³
Latvia - Occupational Exposure Limits - TWAs	1 mg/ m ³
Latvia - Occupational Exposure Limits - STELs	2 mg/ m ³
Lithuania - Occupational Exposure Limits - TWAs (IPRDs)	1 mg/ m ³
Lithuania - Occupational Exposure Limits - STELs (TPRDs)	2 mg/ m ³
Luxembourg - Occupational Exposure Limits - TWAs	1 mg/ m ³
Luxembourg - Occupational Exposure Limits - STELs	2 mg/ m ³
Netherlands - Occupational Exposure Limits - TWAs	1 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

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : Protective gloves
- Eye protection : Safety glasses
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment
- Environmental exposure controls : Avoid release to the environment.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : White powder
- Odour : characteristic.
- Odour threshold : Mild odour
- pH : Not applicable
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : No data available

Kroonotreat® 2131-G

Safety Data Sheet

according to Regulation (EU) 2015/830

Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 2 g/cm ³
Solubility	: Fully soluble.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

SECTION 12: Ecological information

Chemical Name	LD50 - Oral, Rat (mg/kg)	LD50 - Dermal, Rabbit (mg/kg)	LC50 - Inhalation, Rat, 4h (mg/l)
disodium dihydrogenpyrophosphate 7758-16-9	>2000	No data available	>0.58
Alcohols, C12-18, ethoxylated 68213-23-0	>300 - 2000	2500	No data available
Sodium meta-nitrobenzenesulfonate 127-68-4	11000	No data available	>5.1
Orthophosphoric acid 7664-38-2	>2000	>2000	3.846
Alcohols, C9-11, ethoxylated 68439-46-3	>2000	No data available	No data available

Kroonotreat® 2131-G

Safety Data Sheet

according to Regulation (EU) 2015/830

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

Chemical Name	LC50 (Fish - 96h)	EC50 (Water Flea - 48h)	IC50 (Algae - 72h)
disodium dihydrogenpyrophosphate 7758-16-9	>100 mg/ l	>100 mg/ l	>100 mg/ l
Alcohols, C12-18, ethoxylated 68213-23-0	>1 - 10 mg/ l (Brachydanio rerio)	>1 - 10 mg/ l (Daphnia magna)	>1 - 10 mg/ l (Scenedesmus subspicatus)
Sodium meta-nitrobenzenesulfonate 127-68-4	500 mg/ L (Leuciscus idus)	8665 mg/ L (Daphnia magna)	500 mg/ L (Desmodesmus subspicatus)
Orthophosphoric acid 7664-38-2	3.25 mg/l (Leponis macrochirus)	>100 mg/ l (Daphnia magna)	>100 mg/ l (Plantas acuaticas)
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

Chemical Name	LC50 (Fish - 96h)	EC50 (Water Flea - 48h)	IC50 (Algae - 72h)
disodium dihydrogenpyrophosphate 7758- 16-9	>100 mg/l	>100 mg/ l	>100 mg/l
Alcohols, C12-18, ethoxylated 68213-23-0	>1 - 10 mg/l (Brachydanio rerio)	>1 - 10 mg/ l (Daphnia magna)	>1 - 10 mg/l (Scenedesmus subspicatus)
Sodium meta-nitrobenzenesulfonate 127- 68-4	500 mg/L (Leuciscus idus)	8665 mg/ L (Daphnia magna)	500 mg/L (Desmodesmus subspicatus)
Orthophosphoric acid 7664-38-2	3.25 mg/l (Leponis macrochirus)	>100 mg/ l (Daphnia magna)	>100 mg/l (Plantas acuaticas)
Alcohols, C9-11, ethoxylated 68439-46-3	1 - 10 mg/l	1 - 10 mg/ l	4.5 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

Kroonotreat® 2131-G

Safety Data Sheet

according to Regulation (EU) 2015/830

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product / Packaging disposal:

Packaging data:

Recycling: Use a European return program for empty packaging. Forexample: ncg-europe.com.

Product data:

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

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

15.1.1. 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.

Kroonotreat® 2131-G

Safety Data Sheet

according to Regulation (EU) 2015/830

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.

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.

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 not contain components as mentioned in this regulation

SECTION 16: Other information

Indication of changes

Version: 2
Revision date: 11/ 07/2018
Reason for revision: SDS review

This data sheet contains changes from the previous version in section(s) 15

Print date: 11/ 07/2018

Kroonotreat® 2131-G

Safety Data Sheet

according to Regulation (EU) 2015/830

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

H317 - May cause an allergic skin reaction H318 - Causes serious eye damage

H302 - Harmful if swallowed

H412 - Harmful to aquatic life with long lasting effects H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage