Safety data sheet
KISTART® NP

According to Regulation (EC) No 1907/2006 as amended (art. 31)

Safety data sheet of 05/11/2018, version 1

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

1.1. Product identifier

Mixture identification:

Commercial product name: KISTART® NP

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

Recommended use:

Fertiliser.

1.3. Information on the supplier of the safety data sheet:

Supplier:

SPAA S.r.l. Via delle Industrie s.n.c. - 65013 Città Sant'Angelo (PE). Tel: (+39) 085/960209

Competent person in charge of the safety data sheet:

info@spaa.it

1.4. Emergency telephone number of the Poison Control Centres open 24 hours a day:

Milan - 0266101029 / Naples - 0817472870 / Pavia - 038224444 / Bergamo - 800883300 / Foggia 0881732326 / Florence 0557947819 / Rome – 063054343, 0649978000 or 0668593726.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture according to Regulation (EC) No 1272/2008 (CLP):

Warning, Eye Irrit. 2, Causes severe eye irritation.

Physico-chemical effects harmful to human health and the environment:

No other hazards

2.2. Label elements

Hazard pictograms:

Attention

Hazard statements:

H319 Causes severe eye irritation.

Safety recommendations

P264 Wash hands thoroughly after use.

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

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

P337+P313 If eye irritation persists, seek medical advice.

Contains: Ammonium phosphite

Special provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

VPvB Substances: None

PBT Substances: None

Other dangers:

No other danger

SECTION 3: composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components according to the CLP Regulation and related classification:

Qty	Name	Identification number	Classification
>= 30% -<40%	Phosphonic acid,diammonium salt,monohydrate	CAS: 51503-61-8	3.3/2 Eye Irrit. 2 H319

All constituents of the mixture comply with Regulation (EC) No 1907/2006 and have been registered by the manufacturers/importers/only representatives where obliged to do so: the relevant registration numbers will be made available to the Authority within seven days of their request.
Other substances may be present that are exempt from registration as provided for in Article 2 or because they are produced/imported in quantities less than one tonne/year.

SECTION 4: first aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately.
Wash the areas of the body that have come into contact with the product immediately with plenty of water and soap, even if only suspicious.
Wash the body completely (shower or bath).
Remove contaminated clothing immediately and dispose of it safely.
In case of contact with the skin, wash immediately with plenty of water and soap.

In case of eye contact:

In case of eye contact, rinse them with water for an appropriate period of time and keep the eyelids open, then immediately consult an ophthalmologist.
Protect the uninjured eye.

In case of ingestion:

Do not induce vomiting. SEEK IMMEDIATELY FOR A MEDICAL EXAMINATION.

In case of inhalation:

Bring the injured person into the open air and keep him warm and at rest.

4.2. Main symptoms and effects, both acute and delayed

None

4.3. Indication of any need to immediately consult a doctor and special treatments

In case of accident or illness, consult a doctor immediately (if possible show instructions for use or safety data sheet).
Treatment:
None

SECTION 5: firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water.
Carbon dioxide (CO2).
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.
Combustion produces heavy smoke

5.3. Advice for firefighters

Use suitable respiratory equipment.

Collect contaminated water used to extinguish the fire separately. Do not discharge it into the sewer system.
If feasible in terms of safety, move undamaged containers from the area of immediate danger.

SECTION 6: accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment.

Move people to a safe place.

Consult the protective measures set out in sections 7 and 8.

6.2. Environmental precautions

Prevent penetration into the soil/subsoil. Prevent runoff to surface water or sewer system.
Keep contaminated washing water and eliminate it.
In case of gas leak or penetration into waterways, soil or sewage system inform the responsible authorities.
Suitable material for collection: absorbent material, organic material, sand.

6.3. Methods and materials for containment and remediation

Wash with plenty of water.

6.4. Reference to other sections

See also paragraphs 8 and 13.

SECTION 7: handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not use empty containers before they have been cleaned.
Before transfer operations, make sure that there are no residual incompatible materials in the containers.
Contaminated clothing should be changed before entering dining areas.
Do not eat or drink while working.
Please also refer to paragraph 8 for recommended protective devices.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.
Incompatible materials: None in particular. See also paragraph 10 below.
Indication for the premises: Adequately ventilated premises.

7.3. Specific end uses

No particular use

SECTION 8: exposure controls/personal protection

8.1. Control parameters

No occupational exposure limits are available
DNEL exposure limit values: N.A.
PNEC exposure limit values: N.A.

8.2. Exposure controls

Eye protection:
Use closed safety visors, do not use eye lenses.

Skin protection:
Wear clothing that guarantees total protection for the skin, e.g. in cotton, rubber, PVC or viton.

Hand protection:
Use protective gloves that guarantee total protection, e.g. in PVC, neoprene or rubber.

Respiratory protection:
Not necessary for normal use.

Thermal hazards:
None

Environmental exposure controls:
None
Suitable technical checks:
None

SECTION 9: physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method	Notes
State and colour:	liquid light	--	--
Odour:	characteristic	--	--
Odour threshold:	N.A.	--	--
pH	N.A.	--	--
Melting/freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/ gas flammability:	N.A.	--	--
Upper / lower flammability limit or explosion:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	N.A.	--	--
Water solubility:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol / water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Comburent properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method	Notes
Miscibility:	N.A.	--	--
Liposolubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Specific properties of groups of substanes:	N.A.	--	--

SECTION 10: stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of dangerous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None

SECTION 11: toxicological infortmation

11.1. Information on toxicological effects

Toxicological information regarding the product: N.A.

Toxicological information on the main substances in the product: N.A.

Unless otherwise specified, the data required by Regulation (EU) 2015/830 below are to be understood as N.A .:

a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/severe eye irritation;
d) respiratory or skin sensitization;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) specific toxicity for target organs (STOT) - single exposure;
i) specific toxicity for target organs (STOT) - repeated exposure;
j) aspiration hazard.

SECTION 12: ecological information

12.1. Toxicity

Use according to good working practices, avoiding to disperse the product in the environment.

12.2. Persistence and degradability

None, N.A.

12.3. Bioaccumulation potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

VPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: disposal consideration

13.1. Waste treatment methods

Recover if possible. Operate according to local and national regulations

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SECTION 14: transport information

14.1. UN number

Goods not dangerous under the transport regulations.

14.2. UN shipping name
N.A.
14.3. Hazard classes related to transportation
N.A.
14.4. Packing group
N.A.
14.5. Environmental hazards
N.A.
14.6. Special precautions for users
N.A.
14.7. Transport in bulk according to Annex II of MARPOL and the IBC code
N.A.

SECTION 15: regulatory information

15.1. Standards and legislation on health, safety and the environment specific to the substance or mixture
Legislative Decree 9/4/2008 n. 81
Ministry of Labour Decree 26/02/2004 (Occupational exposure limits)
Regulation (EC) No 1907/2006 (REACH) as amended
Regulation (EC) No 1272/2008 (CLP) as amended
Seveso category - Directive 2012/18 / EC. Legislative Decree 105/2015 as amended: n.a.
Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) No 1907/2006. Product. Point. 3
Substances in Candidate List (Art. 59 REACH): According to the available data, the product does not contain SVHC substances above 0.1%.
Substances subject to authorization (Annex XIV REACH): None.
Substances subject to export notification obligation (EC) 649/2012: None.
Substances subject to the Rotterdam Convention: None.
Substances subject to the Stockholm Convention: None.
Sanitary Checks:
Workers exposed to this chemical agent dangerous to health must be subjected to health surveillance carried out according to the provisions of art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk to the safety and health of the worker has been assessed as irrelevant, in accordance with the provisions of art. 224 paragraph 2.
Where applicable, refer to the following regulations:
Ministerial circulars 46 and 61 (aromatic amines).
Regulation 648/2004/EC (Detergents).
Legislative Decree. 3/4/2006 n. 152 Environmental regulations

15.2. Chemical safety assessment
A chemical safety assessment has not been prepared for the mixture while those for the registered substances contained in it are available.

SECTION 16: other information

Text of the sentences used in paragraph 3:
H319 Causes severe eye irritation.

Hazard class and category	Code	Description
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

Classification and procedure used to derive it under Regulation (EC)1272/2008 [CLP] in relation to mixtures:

Classification according to Regulation (EC) No 1272/2008	Classification procedure
Eye Irrit. 2, H319	Calculation method

This document has been prepared by a technician competent in MSDS matters and has received adequate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Center, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
CCNL - Annex 1
National Institute of Health - National Inventory of Chemical Substances

The information contained herein is based on our knowledge on the date indicated above. They refer only to the product indicated and do not constitute a guarantee of particular qualities.
The user is required to make sure of the suitability and completeness of such information in relation to the specific use that he must do.
This sheet supersedes any previous edition.

ADR:	European agreement concerning the international road transport of dangerous goods.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived level without effect.
GefStoffVO:	Ordinance on hazardous substances in Germany.
GHS:	Harmonized global system for classification and labeling of chemical products.
IATA:	International air transport association.
IATA-DGR:	Dangerous Goods Regulation of the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical instructions of the "International Civil Aviation Organization" (ICAO).
IMDG:	International maritime code for dangerous goods.
INCI:	International nomenclature of cosmetic ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration for 50 percent of the test population.
LD50:	Lethal dose for 50 percent of the test population.
PNEC:	Expected concentration without effect.
RID:	Regulation concerning the international transport of dangerous goods by rail.
STEL:	Short-term exposure limit.
STOT:	Organ-specific toxicity.
TLV:	Threshold Limit Value.
TWA:	Time weighted average
WGK:	Water hazard class (Germany).