

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

Product name: **TEKINJECT AC NPS**
Type of product : Substance
Substance name: Sodium persulphate
EC-NO: 231-892-1
CAS-NO: 7775-27-1

Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Only for professional use.**Details of the supplier of the safety data sheet**

Company: TEKINJECT BV
Kruisblok 6
BE - 2320 HOOGSTRATEN
E-mail address: info@tekinject.com

Emergency telephone number

24-hours emergency number: +32 494 239 441

National poison information service: This is a generic EU Safety Data Sheet. Consult your Specific member state version for this information.

2. Hazard Identification**Classification according to Regulation (EC) No 1272/2008**

GHS03 Oxidizing

Ox. Sol. 3 H272 May intensify fire; oxidiser



GHS08 health hazard

Acute Tox. 4 H302 Harmful if swallowed.
Skin Irrit. 2 H315 Causes skin irritation.
STOT SE2 H335 May cause damage to organs through prolonged or repeated exposure.



GHS07

Acute tox. 4	H332 Harmful if swallowed.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H335 May cause respiratory irritation.

Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS 03



GHS 08



GHS 07

Signal word: Danger**Hazard-determination components of labeling:**

Sodium persulphate

Hazard statements:

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H315 Causes skin irritation

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

Precautionary statements:




- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P220 Keep/store away from combustible materials.
- P221 Take any precaution to avoid mixing with combustibles.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash face, hands and any exposed skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P285 In case of inadequate ventilation wear respiratory protection.
- P301 + P312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332 + P313 if skin irritation occurs: get medical advice/attention.
- P337 + P313 if eye irritation persists: Get medical advice/attention.
- P342 + P311 if experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Additional information:

- **Other hazards**
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable
- **vPvB:** Not applicable

3. Composition/information on ingredients

Description: mixture of substances with nonhazardous additions.

Dangerous components :			
CAS 7775-27-1	Sodium persulphate	 Ox. Sol. 2, H272  Acute Tox. 4 ; H302, Skin Irrit. 2, H315; STOR SE2, H335  Acute tox. 4, H332 ; Skin Irritant 2, H319 ; Skin Sens. 1 , H317 ; STOT SE3, H335	100 %

Additional information: For the wording of the listed hazard phrases refer to section 16.

4. First aid measures

- **Description of first aid measures.**
- **General information:** Symptoms of poisoning may even occur after several hours; therefor medical observation for at least 48 hours after the accident.
- **After inhalation:** Supply fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a doctor.
- **After skin contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention immediately if irritation develops and persists.
- **After eye contact:** immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get prompt medical attention.
- **After swallowing:** Rinse mouth with water. Drink plenty of water. Get medical attention immediately.

5. Fire-fighting measures

- **Extinguishing media.**
- **Suitable extinguishing agents:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **Special hazards arising from the substance or mixture:** Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x), sulfur oxides (SO_x)
- **Advise for firefighters:** No relevant information available.
- **Protective equipment:** No special measures required.

6. Accidental releases measures

- **Personal precautions, protective equipment and emergency procedures:** Do not breath dust. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:** Sweep up and shovel into suitable containers for disposal. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.
- **References to other sections**
See section 7 for information and safe handling.
See section 8 for information on personal protection equipment.
See section 13 for disposal information.

7. Handling and storage

- **Precautions for safe handling:** ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Keep away from direct sunlight.
- **Information about fire- and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities.**
- **Storage:** No special requirements
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s):** No further relevant information available.

8. Exposure control/personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **Control parameters**
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment.**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages, and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before break and at the end of the work.
Avoid contact with eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure, use self-contained respiratory protection device.
- **Protection of hands:**



Protective gloves

The glove material must be complying with EN 374.

- **Eye protection:**



Tightly sealed goggles.

9. Physical and technical properties

<ul style="list-style-type: none"> · Information on basic physical and chemical properties · General information · Appearance: <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">Form</td> <td>Powder</td> </tr> <tr> <td style="padding-left: 20px;">Colour</td> <td>White</td> </tr> <tr> <td style="padding-left: 20px;">Odour</td> <td>None</td> </tr> </table> 		Form	Powder	Colour	White	Odour	None												
Form	Powder																		
Colour	White																		
Odour	None																		
· pH-value:	4.3																		
<ul style="list-style-type: none"> · Change in condition <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">Melting point/freezing point:</td> <td>180 °C</td> </tr> <tr> <td style="padding-left: 20px;">Initial boiling point and boiling range:</td> <td>Not determined.</td> </tr> </table> · Ignition temperature · Flash point: · Flammability (solid,gas): · Decomposition temperature: · Auto-ignition temperature: · Explosive properties: · Explosion limits : <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">Lower:</td> <td>Not determined</td> </tr> <tr> <td style="padding-left: 20px;">Upper:</td> <td>Not determined</td> </tr> </table> · Vapour pressure at 20 °C: · Density at 20 °C: · Relative density: · Vapour density : · Evaporation rate: · Solubility in/miscibility with water: · Partition coefficient: n-octanol/water: · Viscosity: <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">Dynamic at 20 °C:</td> <td>Not applicable.</td> </tr> <tr> <td style="padding-left: 20px;">Kinematic:</td> <td>Not determined.</td> </tr> </table> · Solvent content: <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">Organic solvent:</td> <td>No data available</td> </tr> <tr> <td style="padding-left: 20px;">VOC (EC):</td> <td>No data available</td> </tr> <tr> <td style="padding-left: 20px;">Other information:</td> <td>No further relevant information.</td> </tr> </table> 		Melting point/freezing point:	180 °C	Initial boiling point and boiling range:	Not determined.	Lower:	Not determined	Upper:	Not determined	Dynamic at 20 °C:	Not applicable.	Kinematic:	Not determined.	Organic solvent:	No data available	VOC (EC):	No data available	Other information:	No further relevant information.
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VOC (EC):	No data available																		
Other information:	No further relevant information.																		

10. Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under recommended storage conditions.
- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specification.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Keep away from heat and sources of ignition. Protect from light.
- **Incompatible materials:** Acids and bases. Oxidizing agents. Reducing agents. Amines and alcohols causes exothermic reactions. Metals.
- **Hazardous decomposition products:** Carbon oxides (CO_x), Nitrogen oxides (NO_x), sulfur oxides (SO_x).

11. Toxicological information

- **Information on toxicological effects**
- **Acute toxicity :** Harmfull if swallowed

LD/LC50 values relevant for classification:		
7775-27-1 Sodium persulphate		
Oral	LD50	895 - 920 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation :**
Repeated or prolonged contact causes sensitization, asthma and eczemas. May cause sensitization by inhalation and skin contact.
- **Serious eye damage/irritation:**
Irritating to eyes.
- **Respiratory or skin sensitization:**
Repeated or prolonged contact causes sensitization, asthma symptoms. May cause sensitization by inhalation.
- **CMR effect (carcinogenity, mutagenicity and toxicity for reproductions):**
- **Germ cell mutagenicity:** based on available data, the classification criteria are not met.
- **Carcinogenicity:** No data available.
- **Reproductivity toxicity:** based on available data, the classification criteria are not met.
- **STOT-single exposure:** Irritating to respiratory tract.
- **STOT-repeated exposure:** No known effects.
- **Aspiration hazard:** based on available data, the classification criteria are not met.

12. Ecological information

- **Toxicity**


Aquatic toxicity	
7775-27-1 Sodium persulphate	
LC50/96 h	163 mg/l (Oncorhynchus mykiss)
EC50/48 h	133 mg/l (daphnia magna)

- **Persistence and degradability:** No further relevant information available.
- **Behaviour in environmental systems:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxic effects:** No further relevant information available.
- **Additional ecological information:** No further relevant information available.
Do not allow undiluted product or large quantities of it to reach ground water, water source or sewage system.
- **Results of PBT and vPvB assessments:**
PBT: not applicable.
vPvB: not applicable.
- **Other adverse effects:** No further relevant information available.

13. Disposal consideration

- **Waste treatment methods**
- **Recommendation :**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agents:** water, if necessary together with cleansing agent.

14. Transport information

- UN-number - ADR, IMDG, IATA	UN 1505
- UN proper shipping name - ADR - IMGD, IATA -	1505 SODIUM PERSULPHATE
- Transport hazard class(es) - ADR, AND, IMDG, IATA	
	
- Class - label	5.1 Oxidizing substances and organic peroxides 5.1 5.1
- Packing group - ADR; IMDG, IATA	III
- Environmental hazards :	Not applicable
- Special precautions for user <ul style="list-style-type: none"> o EMS-Number o Storage categorie 	Warning : oxidizing substances F-A, S-Q A
- Transport additional information : <ul style="list-style-type: none"> o ADR o Limited quantities (LQ) o Expected quantites (EQ) o Transport category o Tunnel restriction code <ul style="list-style-type: none"> ▪ IMGD o Limited quantites (LQ) o Expected quantities (EQ) 	5 kg Code : E1 Maximum net quantity per inner packaging: 30 g. Maximum net quantity per outer packaging: 1000 g 3 E 5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
- UN « Model regulation » :	UN 1505 Sodium persulfate

15. Regulatory information

Safety, health and environmental regulations: legislation specific for the product.

Directive 2012/18/EU

Named dangerous substances – ANNEX 1: None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

Chemical safety assessment: A chemical Safety Assessment has not been carried out.

16. Additional information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases referred to under sections 2 and 3:

H272 May intensify fire ; oxidizer.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

Abbreviations and acronyms:

ADR: European agreement concerning the International Carriage of Dangerous Goods by road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and labelling of chemicals.

EINECS: European Inventory of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC : Volatile Organic Compounds (USA, EU)

LC50 : Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – inhalation – Category 4.

Eye Irrit. 2 : Serious eye damage/eye irritation – Category 2.

Ox. Sol. 3: oxidizing solid category 3

Resp. Sens. 1: Respiratory sensitisation – Category 1.

Skin Irrit. 2 : Skin corrosion/irritation category 2.

Skin Sens. 1: Skin sensitisation – Category 1.

STOT SE2: Expected to be toxic (single exposure) – Category 2.

STOT SE3 : Specific target organ toxicity (single exposure) – Category 3.

Data compared to the previous version altered.