



UNITED INITIATORS
driving your success

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Print Date: 02.12.2008

Revision Date : 02.12.2008

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Commercial Product Name: NPS

DE / EN

Version: 1.8

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Commercial Product Name : **NPS**
Company : **United Initiators GmbH & Co. KG**

Dr. Gustav-Adolph-Str. 3
82049 Pullach

Germany

E-mail address : **contact@united-in.com**
Emergency telephone : **+49 / 89 / 74422 - 0**

In case of an emergency in the United States, contact:

For chemical Emergency ONLY call CHEMTREC : 1-800-424-9300

For ALL other inquiries about this product call :

United Initiators Inc.

555 Garden Street, Elyria Ohio 44035 at 1 (440) 323-3112

Use

Type of use : Industrial use chemicals

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment



Symbol(s) : O Oxidising
Xn Harmful

R-phrases(s) : R 8 Contact with combustible material may cause fire.
R22 Harmful if swallowed.
R42/43 May cause sensitization by inhalation and skin contact.
R36/37/38 Irritating to eyes, respiratory system and skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

technically pure Salt



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Hazardous components

Chemical Name	CAS-No.	EC-No. / Registration number	Classification	Concentration(%)
sodium peroxydisulfate (disodium peroxydisulfate)	7775-21-1	231-892-1	O: R 8 Xi: R22 Xi: R36/37/38 R42/43	ca. 100

4. FIRST AID MEASURES

- General advice**
- : Take off all contaminated clothing immediately. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. If you feel unwell, seek medical advice (show the label where possible).
- Inhalation**
- : Remove to fresh air. Call a physician immediately.
- Skin contact**
- : Wash off immediately with soap and plenty of water. Obtain medical attention.
- Eye contact**
- : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion**
- : Clean mouth with water and drink afterwards plenty of water. If a person vomits when lying on his back, place him in the recovery position. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media**
- : Water
- Extinguishing media which shall not be used for safety reasons**
- : High volume water jet
- Specific hazards during fire fighting**
- : Cool closed containers exposed to fire with water spray. Fight any surrounding fire with suitable fire-extinguishing agents. Flood small amounts of decomposing products with water (add foaming agent to the water for better penetration). Remove any unaffected product. Control smoke with water spray.



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Special protective equipment for fire-fighters

: Wear self-contained breathing apparatus and protective suit.

Further information

: Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

: Avoid contact with skin, eyes and clothing.
Avoid breathing dust.
Wear personal protective equipment.
Ensure adequate ventilation, especially in confined areas.

Environmental precautions

: Should not be released into the environment.
Do not contaminate water.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up

: Remove mechanically and with care (e.g. with clean polyethylene plastic shovel).
Avoid dust formation.
Wash small residues with plenty of water.

Additional advice

: Never add other substances or waste material to product residue.
Move product residue to a safe place and dispose of properly.

7. HANDLING AND STORAGE

Handling

Advice on safe handling

: For personal protection see section 8.
Product is hygroscopic
Never pour product residue back into storage container.
Risk of decomposition.

Advice on protection against fire and explosion

: Keep away from combustible materials.
Avoid dust formation.

Storage

Requirements for storage areas and containers

: Electrical installations / working materials must comply with the technological safety standards.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Keep container tightly closed.
No smoking.



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Further information on storage conditions : Avoid impurities (e.g. rust, dust, ash), risk of decomposition.
Protect from moisture.

Advice on common storage : Store apart from other dangerous and incompatible substances.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures

General advice : Provide adequate ventilation.

Personal protective equipment

Respiratory protection : respirator with ABEK filter

Hand protection : Skin should be washed after contact.

Glove thickness : 0,5 mm
Break through time : >= 8 h
Material : butyl-rubber

Eye protection : Tightly fitting safety goggles
Face protection

Skin and body protection : Protective suit
Remove and wash contaminated clothing before re-use.

Hygiene measures : Wash hands before breaks and immediately after handling the product.
Keep away from food, drink and animal feedingsuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : solid

Colour : white



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Safety data

pH

: 4,3
1% in water

3,3
10% in water

Melting point/range

: not applicable, Decomposes before melting.

Flash point

: not applicable

Lower explosion limit

: not applicable

Upper explosion limit

: not applicable

Vapour pressure

: not applicable

Density

: 1,2 g/cm³ at 20 °C

Water solubility

: 515 g/l at 10 °C
545 g/l at 20 °C
605 g/l at 40 °C
680 g/l at 60 °C

Partition coefficient: n-octanol/water

: not applicable

Viscosity, dynamic

: not applicable

Refraction index

: not applicable

10. STABILITY AND REACTIVITY

Conditions to avoid

: Keep away from heat and sources of ignition.
Protect from moisture.

Materials to avoid

: Accelerators, strong acids and bases, heavy metal salts, reduction
mediums
Avoid impurities (e.g. rust, dust, ash), risk of decomposition.

Hazardous decomposition products

: Build-up of dangerous/toxic fumes possible in cases of fire/high
temperature

Thermal decomposition

: ca. 180 °C
Method: SADT (UN test H.4)
Observable decomposition at temperatures > 60°C (product in
delivery form)., SADT possible at temperatures above approximately
180 °C.



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Hazardous reactions

: General Information:
Even small amounts of moisture or impurities can noticeably reduce SADT.
Stability:
Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

: LD50 rat
Dose: 920 mg/kg

Acute inhalation toxicity

: LC50 rat
Exposure time: 4 h
Dose: > 5,1 mg/l

Acute dermal toxicity

: LD50 rabbit
Dose: > 10.000 mg/kg

Sensitisation

: Causes sensitization.

AMES-Test:

: Result: Not mutagenic in Ames Test.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish

: LC50
Dose: 163 mg/l
Exposure time: 96 h

Toxicity to bacteria

: EC50
Dose: 116 mg/l
Exposure time: 72 h

Acute and prolonged toxicity for aquatic Invertebrates

: EC50
Species: Daphnia
Dose: 133 mg/l
Exposure time: 48 h
Dose: 133 mg/l



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Water contaminating class
[Germany]

: WGK 1 slightly water endangering
WWWS (German water pollution authority), appendix 2

13. DISPOSAL CONSIDERATIONS

Advice on disposal and packaging : Disposal:
Dispose of in conjunction with appropriate waste disposal authorities and in accordance with disposal regulations. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

Land transport

ADR
UN Number : 1505
Description of the goods : SODIUM PERSULPHATE
Class : 5.1
Packaging group : III
Classification Code : O2
Hazard identification No : 50

RID
UN Number : 1505
Description of the goods : SODIUM PERSULPHATE
Class : 5.1
Packaging group : III
Classification Code : O2
Hazard identification No : 50

Air transport

IATA
UN Number : 1505
Proper technical name : Sodium persulphate
Class : 5.1
Packaging group : III

Sea transport

IMDG
Substance No. : UN 1505
Proper technical name : SODIUM PERSULPHATE
Class : 5.1
Packaging group : III
EmS Number : F-A-S-Q
Marine pollutant : no



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15. REGULATORY INFORMATION

Labelling according to EC Directives

Hazardous components which must be listed on the label:

- 7775-27-1 sodium peroxydisulfate (disodium peroxodisulfate)

Symbol(s) : O Oxidising
Xn Harmful



R-phrase(s) : R 8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitization by inhalation and skin contact.

S-phrase(s) : S22 Do not breathe dust.
S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

National legislation :

Other regulations : TRGS 515 (German regulatory requirements)
Produkt unterliegt nicht dem Sprengstoffgesetz (SprengG). (German regulatory requirements)
Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.
Take note of Dir 94/33/EC on the protection of young people at work.
Störfallverordnung Anhang I (German regulatory requirements)

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3



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R 8
R 22
R36/37/38
R42/43

Contact with combustible material may cause fire.
Harmful if swallowed.
Irritating to eyes, respiratory system and skin.
May cause sensitization by inhalation and skin contact.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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