



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1. Product identifier

Commercial Product Name: NPS (12-40-7S 1Zn)

Chemical name : Ammonium sulphate phosphate

Commonly used synonyms: Ammonium Dihydrogenorthophosphate Ammonium Dihydrogen Phosphate, ammonium sulphate, Monoammonium Phosphate

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

Specific use(s): Fertiliser

Crop Nutrient

Fire extinguishing agent

Production: paper textile and ceramics

Processing aid food

1.3. Details of the supplier of the safety data sheet

Company: OCP SA

2, Rue Al Abtal, Hay Erraha - BP5196 -20000 Casablanca - MOROCCO

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2. HAZARDS IDENTIFICATION

2.1.1. Classification according to Regulation (EU) 1272/2008/EC

CLP-Classification: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not classified

2.1.2. Classification according to EU Directives 67/548/EC or 1999/45/EC

Classification: Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Not classified

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

| Substance name | % |
|------------------------------------|---------|
| Diammonium hydrogen orthophosphate | 2 – 6 |
| Ammonium dihydrogen orthophosphate | 50 – 65 |
| Ammonium sulfate | 15 – 30 |
| Water | 1 – 2 |
| Oxyde de zinc | 1 – 1,5 |

Full text of R-, H- and EUH-phrases: see section 16.

3.2. Mixtures

Not applicable



4. FIRST AID MEASURES

4.1. Description of first aid measures

| | |
|-------------------|--|
| Inhalation | : Keep at rest. Move to fresh air. Consult a physician if necessary. |
| Skin contact | : Wash off with soap and water. Consult a physician if necessary. |
| Eye contact | : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary. |
| Ingestion | : Rinse mouth. Consult a physician if necessary. |
| Additional advice | : First aider needs to protect himself. Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically. When symptoms persist or in all cases of doubt seek medical advice. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|--------------|--|
| Inhalation | : May cause irritation of respiratory tract. |
| Skin contact | : Moderate skin irritation |
| Eye contact | : Moderate eye irritation |
| Ingestion | : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. |

4.3. Indication of immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Use dry chemical, CO₂, water spray or alcohol resistant foam.

Extinguishing media which shall not be used for safety reasons

: High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards: Possible decomposition products are: PO_x, NO_x, NH₃ Fire residues and

Contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3. Advice for firefighters

Advice for firefighters: Special protective equipment for fire-fighters Wear self-contained

Breathing apparatus for fire fighting

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid dust formation. Evacuate personnel to safe areas. Ensure adequate ventilation. Wear personal protective equipment. See also section 8 do not breathe dust.

Advice for emergency responders: Only qualified personnel equipped with suitable protective equipment may



6.2. Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up: Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable Container for disposal. Dispose of in accordance with local regulations.

6.4. Reference to other sections

See also section 13. See also section 8.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling: Avoid dust formation. Ensure adequate ventilation. Wear personal protective equipment. See also section 8 do not breathe dust. Take care to avoid waste and spillage when weighing, loading and mixing the product. Take any

Precaution to avoid mixing with Incompatible materials. See also section 10

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs.

7.2. Conditions for safe storage, including any incompatibilities

Storage: Keep tightly closed in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10.

7.3. Specific end use(s)

No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposure limit(s): No information available.

DNEL: Workers

Recommended monitoring procedures: Concentration measurement in air, Personal monitoring

8.2. Exposure controls

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Respirator with a particle filter (EN 143)

Hand protection: not required under normal use

Eye protection: not required under normal use

Thermal hazard protection: not required under normal use, Use dedicated equipment.

Engineering measures: Use only in area provided with appropriate exhaust ventilation. Avoid dust formation. Organizational measures to prevent /limit releases, dispersion and exposure

See also section 7

Environmental exposure controls: Do not flush into surface water or sanitary sewer system. Comply with applicable Community environmental protection legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance : granular,solid

Colour : brown

Odour : odorless

pH : 4 à 5 (10%)



| | |
|-----------------------------|--|
| Melting point/range | : 170 - 190 °C Decomposes before melting. |
| Boiling point/boiling range | : not applicable |
| Flash point | : not applicable |
| Evaporation rate | : not applicable |
| Flammability (solid, gas) | : not applicable |
| Explosion limits | : not applicable |
| Vapour density | : not applicable |
| Density | : à 20°C 880-930 kg/m ³ loose À 20°C 990-1050 kg/m ³ tapped |
| Autoignition temperature | : Not applicable. |
| Viscosity | : not applicable |
| Explosive properties | : not applicable |
| Oxidizing properties | : not applicable |

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: See also section 10.5

10.2. Chemical stability

Stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Conditions to avoid: Heat, flames and sparks. Avoid dust formation. See also section 7.

Handling and storage

10.5. Incompatible materials

Incompatible materials: Incompatible with strong acids and oxidizing agents. Copper alloys alkali Sodium hypochlorite. See also section 7. Handling and storage.

10.6. Hazardous decomposition products

Hazardous decomposition products: PO_x, NO_x, NH₃.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Skin corrosion/irritation: Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Serious eye damage/irritation: Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Respiratory or skin sensitization: Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Germ cell mutagenicity: Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Carcinogenicity: Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Reproductive toxicity: Not classified (Not classified due to data which are conclusive although insufficient for classification.)



Specific target organ toxicity (single Exposure) : Not classified (Not classified due to data which are conclusive although Insufficient for classification.)

Specific target organ toxicity (repeated Exposure) : Not classified (Not classified due to data which are conclusive although Insufficient for classification.)

Aspiration hazard: Not classified (Not classified due to data which are conclusive although Insufficient for classification.)

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity effects: not hazardous

12.2. Persistence and degradability

Persistence and degradability: Not applicable

12.3. Bioaccumulative potential

Bioaccumulation: Does not bioaccumulate.

12.4. Mobility in soil

Mobility: Not applicable

12.5. Results of PBT and vPvB assessment

PBT/vPvB: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products: Where possible recycling is preferred to disposal or incineration.

Collect and dispose of waste product at an authorized disposal facility. Dispose of in accordance with local regulations. Contaminated packaging: Dispose of in accordance with local regulations.

Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC): The following Waste Codes are only suggestions: 06 03 14 – solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13 150110 - packaging containing residues of or contaminated by dangerous substances Waste codes should be assigned by the user, Preferably in discussion with the waste disposal authorities..

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

- EC Classification: The product is classified as non-hazardous according to the Directives 67/548/EEC and No 1272/2008/EC.
- TSCA : all components listed in TSCA inventory
- AICS : all Components listed in AICS Inventory



16. OTHER INFORMATION

Sources of key data used to compile the datasheet: European Chemicals Bureau, SDS supplier, CSR

Safety datasheet sections which have been updated: : 1,2,3,4,5,6,7,8,9,10,11,12,13,15,16

Abbreviations and acronyms : ADNR = Accord Européen relatif au Transport International des
Marchandises Dangereuses par voie de Navigation du Rhin

ADR = Accord européen relatif au transport international des marchandises
Dangereuses par Route

CLP = Classification, Labelling and Packaging Regulation according to
1272/2008/EC

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods Code

LEL = Lower Explosive Limit/Lower Explosion Limit

UEL = Upper Explosion Limit/Upper Explosive Limit

REACH = Registration, Evaluation, Authorization and Restriction of
Chemicals

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