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In accordance with European Regulation 1272/2008 (CLP), European Directive 1999/45 (DPD) and European Directive 67/548 (CLP)

SDS read in accordance with European Regulation 453/2010 (REACH)

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

ACICAPTAL®

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

Absorbent and neutralizer for accidental acids chemical spills

1.3. Details of the supplier of the safety data sheet:

PREVOR

Moulin de Verville

BP1

F-95760 VALMONDOIS - FRANCE

Telephone: +33(0)1 30 34 76 76

Fax : +33(0)1 30 34 76 70

fds@prevor.com

1.4. Emergency telephone number:

+33(0)1 30 34 76 76 (business hours, GMT+1)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Non-hazardous mixture in accordance with Directive 1999/45/EC

Non-hazardous mixture in accordance with Directive 67/548/EC

Non-hazardous mixture in accordance with Regulation 1272/2008/EC

2.2. Label elements:

No labelling

2.3. Other hazards:

No known risk.

This product is a non-hazardous absorbent of chemical substances.

During utilization, wear safety equipment appropriate for chemical being absorbed.

Allow for ventilation.

Release of CO₂ during utilization on acids.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Section 3.1 is not completed because it applies only to substances

3.2. Mixture:

No hazardous ingredients

Name	CAS N°	wt. %
Neutralizing agents	Proprietary	70-90 %
Absorbent polymers	Proprietary	10-30 %

Impurities:

No hazardous impurities

SECTION 4. FIRST AID MEASURES



4.1. Description of first aid measures:

4.1.1. Inhalation:

If necessary, blow nose in order to remove any particles from the respiratory tract; do not wet the powder (significant swelling).

4.1.2. Eye contact:

Primary washing with Diphoterine® solution, NaCl by PREVOR® solution or otherwise, wash with copious amounts of water, eyes and under eyelids.

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4.1.3. Skin contact:

No known danger.

4.1.4. Ingestion:

Not the principal exposure route. Mixture of non-toxic components by oral exposure. In case of adverse effects, consult a doctor.

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

No known unwanted effects.

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

In case of formation of a dust cloud, wear a dust mask (see section 8).

When using Acicaptal® absorbent on a chemical spill:

Wear safety equipment appropriate for the chemical being absorbed. In cases of ocular or cutaneous exposures, wash with Diphoterine® solution, NaCl by PREVOR® solution or otherwise, wash with copious amounts of water.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media:

Water spray, carbon dioxide, dry powder, foam.

5.2. Special hazards arising from the substance or mixture:

Thermal decomposition above 50°C in toxic products: carbon monoxide and dioxide, nitrogen and carbon oxides, organic vapours.

5.3. Advice for firefighters:

In case of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes.
Avoid formation of dusts.
Avoid dust inhalation.

6.2. Environmental precautions:

Avoid disposing of product in the environment (sewers, rivers, soil).

6.3. Methods and material for containment and cleaning up:

If dust cloud forms, ventilate premises. Recover the entire product by means of diverse brooms, scrapers and shovels.

6.4. Reference to other sections:

See sections 8 and 13

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling:



Respect hygiene measures (no eating or drinking) when manipulating product.
Wash hands after use.
Avoid disposing of product in the environment, even though the product has been proven to be non-toxic for the environment (see section 12).
Avoid the formation of dust clouds in order to avoid inhalation. Thus, sprinkle Acicaptal® absorbent as near as possible to the spill.
Very slightly sensitive to electrostatic sparks (Minimal Inflammation Energy : MIE > 1000 mJ)

7.2. Conditions for safe storage, including any incompatibilities:

Keep well closed in the original packaging.
Store shielded from humidity, heat and sources of ignition.

7.3. Specific end use(s):

When using Acicaptal® absorbent on a chemical spill:
Use aerated or ventilated environment if necessary.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters:

Mixture:

Name	CAS N°	ELV (Exposure Limit Value)
Neutralizing agents	Proprietary	None
Absorbent polymers	Proprietary	None

Possible air contaminant from Acicaptal® absorbent and resulting from chemical reaction (see section 2.3):

Name	CAS N°	ELV (Exposure Limit Value)
Carbon dioxide (CO ₂)	124-38-9	5000 ppm or 0.5 %

8.2. Exposure controls:

Total dust : MVE (Maximal Value of Exposure) = 10 mg.m⁻³

8.2.1. Appropriate engineering controls:

Plan adequate ventilation for places where dust is formed.

8.2.2. individual protective measures, such as personal protective equipment:

Respiratory protection:

No protection necessary. Aeration of premises or mask adapted in case of extended use in stuffy atmosphere.

Hand protection:

Protective gloves during prolonged or frequent handling.

Eye/face protection:

Safety goggles if dust clouds are formed.

Skin and body protection:

None

Specific hygiene measures:

Avoid contact with eyes.

Spill response protection when using Acicaptal® absorbent:

Wear safety equipment appropriate for the type of chemical which has been spilled. Wear chemical protective boots in case of large chemical spills.

8.2.3. Environmental exposure controls:

Non applicable

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

a) Appearance (at 20°C):

solid (fine granules), white

b) Odor:

No characteristic odor

c) Odor detection threshold :

Non applicable.

d) pH:

pH = 7,4 (at 100 g.L⁻¹ and at 20°C)

e) Melting point / freezing point:

Non applicable because this solid mixture cannot get in a liquid state.

f) Initial boiling point and boiling range:

Non applicable because Acicaptal® absorbent does not evaporate.

g) Flash point:

Non applicable because Acicaptal® absorbent is not a liquid.

h) Evaporation rate:

Non applicable because Acicaptal® absorbent is not a liquid.

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i) Flammability (solid, gas):

Minimal Inflammation Energy (M.I.E.) > 1000 mJ

j) Upper / lower flammability or explosive limits:

Non applicable because Acicaptal® absorbent does not evaporate.

k) Vapour pressure:

Non applicable because Acicaptal® absorbent does not evaporate.

l) Vapour density:

Non applicable because Acicaptal® absorbent does not evaporate.

m) Relative density:

0.65 g.cm⁻³

n) Solubility (ies):

Absorbs water

o) Partition coefficient n-octanol/water:

Non applicable because Acicaptal® absorbent does not dissolve in water or in n-octanol.

p) Auto-ignition temperature:

>1000°C (dust cloud minimum ignition temperature)

q) Decomposition temperature:

Thermal decomposition above 50°C.

r) Viscosity:

Non applicable because Acicaptal® absorbent is not a liquid.

s) Explosive properties :

Very slightly sensitive to electrostatic sparks (Minimal Inflammation Energy : M.I.E > 1000 mJ)

t) Oxidising properties:

None

9.2. Others information:

Granulometry : d(0,5) = 98 µm (average on three tests)

Upper limit 239 µm

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity:

The product swells in presence of liquids.

10.2. Chemical stability:

Stable in the conditions recommended for storage.

10.3. Possibility of hazardous reactions:

An exothermic reaction (<80°C) can occur in the presence of concentrated acids or bases and product can emit carbon dioxide (CO₂) in the presence of acids. Exposure Limit Value - ELV (CO₂) = 5000 ppm or 0.5 % or about 9000 mg.m⁻³.

10.4. Conditions to avoid:

Store away from humidity, heat and ignition sources. (see section 7 point 2).

10.5. Incompatible materials:

None

10.6. Hazardous decomposition products:

Thermal decomposition above 50°C with liberation of carbon monoxide and dioxide, nitrogen and carbon oxides, organic vapours.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Informations on toxicological effects:

a) Acute toxicity (oral):

Name	CAS N°	Toxicity
Neutralizing agents	Proprietary	> 4220 mg.kg ⁻¹
Absorbent polymers	Proprietary	> 5000 mg.kg ⁻¹

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b) Irritation:

Skin irritation:

Mixture of non-irritants products.

Eye irritation:

Mixture of non-irritants products.

c) Corrosivity:

Skin corrosivity:

Mixture of non-corrosives products.

Serious eye damage:

Mixture of non-corrosives products.

d) Sensitisation:

Non determined

e) Repeated dose toxicity:

Non determined

f) Carcinogenicity:

Non determined

g) Mutagenicity:

Non determined

h) Reproductive toxicity:

Non determined

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:

12.1.1. Ecotoxicology:

Acicaptal® absorbent is a mixture of non-ecotoxic products.

12.1.2. Microtoxicity:

Non determined

12.1.3. Aquatic toxicity:

Non determined

12.2. Persistence and degradability:

Non determined

12.3. Bioaccumulative potential:

Non determined

12.4. Mobility in soil:

Non determined

12.5. Results of PBT and vPvB assessment:

Non applicable

12.6. Other adverse effects:

Non applicable

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Burn according to current country regulations.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number:

Non applicable (see section 2)

14.2. UN proper shipping name:

Non applicable

14.3. Transport hazard class(es):

RID (Regulations concerning International carriage of Dangerous goods by rail):

Non applicable

ADN (International transport of goods by ways of inner navigation):

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Non applicable

ADR (Accord for dangerous goods by road):

Non applicable

IMDG (International Maritime Dangerous Goods):

Non applicable

IATA (ICAO : International Civil Aviation Organization):

Non applicable

14.4. Packing group:

Non applicable

14.5. Environmental hazards:

Acicaptal® absorbent presents no danger for the environment and is not a marine pollutant.

14.6. Special precautions for user:

None

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable because products are delivered conditioned.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Classified as non-hazardous in accordance with the European Regulations concerning labelling of hazardous mixtures: regulations 1272/2008/EC and 1999/45/EC and Directive 67/548

Regulation reference: REACH Regulation 453/2010/EC.

Regulation 453/2010/EC modifying regulation (EC) n° 1907/2006 of European Parliament and Council concerning recording, evaluation and authorization of chemical substances, as well as limitations applicable to these substances (REACH).

15.2. Chemical Safety Assessment:

Non applicable

SECTION 16. OTHER INFORMATION

Recommended use:

Neutralizer and absorbent for accidental acids chemical spills.

Recommendation before use:

- 1- Store Acicaptal® absorbent near to potential risk.
 - 2- Read operating instructions.
 - 3- Use Acicaptal® absorbent as quickly as possible.
- Think of ventilating the area if necessary.

Instructions for use:

- 1- First sprinkle Acicaptal® absorbent around and then over the spill.
- 2- Allow product to work by neutralization and absorption. Add water if chemical is anhydrous to facilitate neutralization.
- 3- Collect the solidified residue by means of various brooms, scrapers and shovels.

Abbreviations:

CLP: Classification, Labelling and Packaging of substance and mixtures

DPD: Dangerous Preparation Directive

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

EC: European Commission

SDS: Safety Data Sheet

GMT: Greenwich Mean Time

CAS n°: Chemical Abstract Service (registry) number

wt. %: weight percent. It is the ratio of the mass of one element to the total mass of a compound.

MIE: Minimal Inflammation Energy

d(0.5): volumetric distribution of fifty percent of the powder. Size below (and above) which fifty percent of the grains are.

ELV: Exposure Limit Value

MVE: Maximal Value of Exposure

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<p>ppm : parts per million RID: Regulations concerning the International carriage of Dangerous goods by rail. ADN: International transport of goods by ways of inner navigation. ADR: Accord for dangerous goods by road. IMDG: International Maritime Dangerous Goods. IATA (ICAO): International Civil Aviation Organization.</p>			

This sheet complements the technical sheets but does not replace them. The information that is contained herein is based on the state of our knowledge related to the product concerned at the date of issue and is given in good faith. Moreover, user's attention is drawn to the possible risks incurred by using the product for any other use than that for which it was intended.