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C-ANTISKID POWDER - SAFETY DATA SHEET - july 2020

C-ANTISKID POWDER

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

1.1. Product identifier

Mixture identification:

Trade name **C-ANTISKID POWDER**

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

additivo polimerico (solido) per uso professionale

1.3 Details of the supplier of the safety data sheet

Company Cecchi Gustavo & C. srl - Via M. Coppino 253,
55049 Viareggio (LU) ITALY www.cecchi.it - info@cecchi.it
Information in case of emergency: +39 0584 383694 - info@cecchi.it
From monday to friday office hours 8:30 – 12:30, 14:00 – 18:30

1,4 Emergency telephone number

+39 0584 383694

1. HAZARDS IDENTIFICATION

1.1. Classification of the substance or mixture

Classification (Regulation (EC) No 1272/2008):

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

1.2. Label elements

Label elements (REGULATION (EC) No 1272/2008):

This substance does not require a label.

1.3. Other hazards

Potential health effects:

Irritation: Possible irritation of respiratory system (by dust inhalation).

Skin contact: Contact with the product, when handled at high temperatures, can cause serious burns.

Physical and chemical hazards:

In some special conditions the small PVC particles can form an explosive mixture with air (see section 9). Thermal decomposition giving toxic and corrosive products.

Decomposition products: See chapter 10

Other:

Results of PBT and vPvB assessment : According to REACH regulation, article 2(9), the substance does not require registration. This information is not required.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1. Substances

Chemical name of the substance¹: VINYL CHLORIDE HOMOPOLYMER RESIN (PVC)

Residual monomers: < 0.1%

Chemical Name ¹	EC-No.	CAS-No.	Concentration	Classification Regulation (EC) No 1272/2008
polyvinylchloride	—	9002-86-2	> 99,9 %	

¹: See chapter 14 for Proper Shipping Name

3. FIRST AID MEASURES

3.1. & 4.2. Description of necessary first-aid measures & Most important symptoms/effects, acute and delayed:

Inhalation:

Dust inhalation: Move to fresh air. Blow nose.

Inhalation of vapours due to decomposition of product: Move to fresh air. Oxygen or artificial respiration if needed. In case of problems :

Consult a physician.

Skin contact:

Wash immediately, abundantly and thoroughly with soap and water.

On contact with hot product : Cool skin rapidly with cold water after contact with molten material. In case of adhesion, do not try to remove the product. Treat the affected areas as thermal burns. Consult a physician.

Eye contact:

Wash well-open eyes immediately, abundantly and thoroughly with water. Remove particles remaining under the eyelids. If irritation persists, consult an ophthalmologist.

On contact with hot product : Cool eyes rapidly with cold water after contact with molten polymer. Consult an ophthalmologist immediately.

Ingestion:

In case of problems : Consult a doctor.

Protection of first-aiders:

Dusts : In case of insufficient ventilation, wear suitable respiratory equipment.

4.3. Indication of immediate medical attention and special treatment needed, if necessary : No data available.

4. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water spray

Unsuitable extinguishing media: High volume water jet, Fine dust dispersed in air may ignite, risk of dust explosion

5.2. Special hazards arising from the substance or mixture:

Thermal decomposition giving toxic and corrosive products :

Hydrogen chloride gas, Hydrocarbons, Carbon oxides (by combustion), traces of : vinyl chloride monomer

5.3. Advice for firefighters:

Specific methods:

In case of fire nearby, remove the bags. If the product is burnt in a fire, wash all metallic structures and walls to avoid corrosion.

Special protective actions for fire-fighters:

Wear self-contained breathing apparatus and protective suit.



5. ACCIDENTAL RELEASE MEASURES

5.1. Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Do not breathe vapours/dust. Wear a dust mask and safety glasses/goggles if necessary. Product handled when hot : wear gloves. In case of insufficient ventilation, wear suitable respiratory equipment.

5.2. Environmental precautions:

Do not release into the environment. Do not let product enter drains.

5.3. Methods and materials for containment and cleaning up:

Recovery:

Recover the product by vacuuming. Shovel into suitable container for disposal. No sparking tools should be used. Sweep up to prevent slipping hazard.

Elimination:

Recycle if possible. Destroy the product by incineration (in accordance with local and national regulations).

5.4. Reference to other sections: None.

6. HANDLING AND STORAGE

6.1. Precautions for safe handling:

Technical measures/Precautions:

Storage and handling precautions applicable to products: Solids, with dusts able to explode when suspended in air. Ensure ventilation of work areas and extraction of dust or vapours likely to be given off during conversion operations (product handled when hot). Provide showers, eye-baths. Provide self-contained breathing apparatus nearby. Provide electrical earthing of equipment.

Safe handling advice:

At all stages of the operation, do not exceed the temperature at which decomposition into toxic and corrosive products will occur. Possible release of traces of residual monomer. Avoid the formation and deposition of dust. In case of dust formation, wear a dust mask. Wear gloves (product handled when hot). Prohibit all sources of sparks and ignition - Do not smoke. Avoid accumulation of static charges during transfers in metallic systems. Ensure all equipment is electrically grounded before beginning transfer operations. Only use safety equipment. Use suitable methods of discharge and handling to prevent dust generation. Wash down interior walls of silo before entering. In case of unexpected or premature stoppage of mixing or conversion machines : Turn off the heat source. Remove the product. Wear a self-contained breathing apparatus (if necessary). In case of entry into storage areas : Monitor the atmosphere (oxygen and dust levels). Follow the safety instructions.

Hygiene measures:

Avoid contact with the skin and the eyes. Avoid breathing dust. Product handled when hot : Avoid inhalation of vapours. When using do not eat, drink or smoke.

Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

6.2. Conditions for safe storage, including any incompatibilities:

Store away from moisture and heat to maintain the technical properties of the product. Store protected from all ignition sources. Provide earthing and safe electrical equipment.

Do not store above: 60 °C

Packaging material:

Recommended: Paper bags, Flexible packaging, In bulk : stainless steel, aluminium, reinforced plastic

6.3. Specific end uses: None.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

7.1. Control parameters:

**Exposure Limit Values (dust)**

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EH40 WEL	2007	TWA	–	4	Respirable dust.
EH40 WEL	2007	TWA	–	10	Inhalable dust.
ACGIH (US)	2008	TWA	–	10	Inhalable particles.
ACGIH (US)	2008	TWA	–	3	Respirable particles.

Exposure Limit Values**polyvinylchloride**

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EH40 WEL	2007	TWA	–	4	Respirable dust.
EH40 WEL	2007	TWA	–	10	Inhalable dust.
ACGIH (US)	2008	TWA	–	1	Respirable fraction.

Derived No Effect Level (DNEL):

According to REACH regulation, article 2(9), the substance does not require registration. This information is not required.

Predicted No Effect Concentration (PNEC):

According to REACH regulation, article 2(9), the substance does not require registration. This information is not required.

7.2. Exposure controls:**General protective measures:**

Ensure ventilation of work areas and extraction of dust or vapours likely to be given off during conversion operations (product handled when hot).

Personal protective equipment:

Respiratory protection:

Effective dust mask. Recommended Filter type: P2

Product handled when hot : In case of insufficient ventilation, wear suitable respiratory equipment.

In the case of hazardous fumes, wear self contained breathing apparatus.

Hand protection:

Neoprene gloves

Eye/face protection:

Safety glasses/goggles (product handled in molten state) - Wear face-shield and protective clothing in case of problems during processing

Skin and body protection:

Protective suit

Environmental exposure controls: See chapter 6

8. PHYSICAL AND CHEMICAL PROPERTIES**8.1. Information on basic physical and chemical properties****Appearance:**

Physical state (20°C):	solid
Form:	powder
Colour:	white
Granulometry:	100 - 200 µm
Odour:	slight
Olfactory threshold:	No data available.
pH:	No data available.
Melting point/range:	No data available.
Boiling point/boiling range:	No data available.
Flash point:	not applicable
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Vapour pressure:	No data available.
Vapour density:	No data available.
Relative density:	No data available.
Bulk density:	450 - 650 kg/m ³ , at 20 °C
Water solubility:	insoluble at 20 °C
Partition coefficient: n-octanol/water:	No data available.



Autoignition temperature:	ca. 380 °C (Standard ASTM 19-29)
Decomposition temperature:	Decomposes on heating. 180 °C Decomposition time: 2 mins 100 °C Decomposition time: 1 hr
Viscosity, dynamic:	not applicable
Explosive properties:	
Lower explosion limit :	Low explosive risk with a ST1 explosive class rating (in some special conditions and a particule size fraction below 63 μm).
Minimum ignition energy:	> 1 J
Oxidizing properties:	Not relevant (due to the chemical structure)

8.2. Other data:

Solubility in other solvents:	Slightly soluble in Tetrahydrofuran , cyclohexanone
Net calorific value :	17.000 kJ/kg (Standard NF M 03.005)

9. STABILITY AND REACTIVITY**9.1. & 10.2. Reactivity & Chemical stability:**

The product is stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions:

In some special conditions the small PVC particles can form an explosive mixture with air (see section 9).

10.4. Conditions to avoid:

Temperatures above 60 °C

Heat, flames and sparks. Exposure to moisture. (to maintain the technical properties of the product).

10.5. Incompatible materials to avoid: No data available.**10.6. Hazardous decomposition products:****Thermal decomposition:**

Decomposes on heating.

Thermal decomposition giving toxic and corrosive products :

Hydrogen chloride gas, Hydrocarbons, Carbon oxides (by combustion), traces of : vinyl chloride monomer

10. TOXICOLOGICAL INFORMATION**10.1. Information on toxicological effects:****Acute toxicity:**

Ingestion: Polymer: Can be considered as : Slightly harmful by ingestion

Dermal: Polymer: Can be considered as : Slightly harmful in contact with skin

Local effects (Corrosion / Irritation / Serious eye damage):**Skin contact:**

• In man :

Polymer: Can be considered as :Slightly or not irritating to skin

Contact with the product, when handled at high temperatures, can cause serious burns.
At high temperature, products of thermal decomposition can be irritating to skin

Eye contact:

• In man :

Polymer: Can be considered as :Slightly or not irritating to eyes

Dusts, Possible irritation of eyes (physical action)

Contact with the product, when handled at high temperatures, can cause serious burns.
At high temperature, products of thermal decomposition can be irritating to eyes

Respiratory or skin sensitization:

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Inhalation: No data available.

Skin contact: No data available.

CMR effects : **Polymer: No particular problems for man**

Specific target organ toxicity :

Single exposure :

Inhalation:

• In man :

Dust inhalation:

Possible irritation of respiratory system (by dust inhalation).

Inhalation of vapours due to thermal decomposition , At high temperature, products of thermal decomposition can be irritating to respiratory system

Repeated exposure:

Polymer: No particular problems for man

Aspiration hazard:

Not relevant

11. ECOLOGICAL INFORMATION

11.1. Toxicity

Aquatic invertebrates:

No data available.

11.2. Persistence and degradability :

Biodegradation (In water):

Inert polymer , Not biodegradable on the basis of its structure

11.3. **Bioaccumulative potential :** No data available.

11.4. **Mobility in soil - Distribution among environmental compartments:** No data available.

11.5. Results of PBT and vPvB assessment :

According to REACH regulation, article 2(9), the substance does not require registration. This information is not required.

11.6. **Other adverse effects:** None known.

12. DISPOSAL CONSIDERATIONS

12.1. Waste treatment:

Disposal of product:

Recycle if possible. Destroy the product by incineration (in accordance with local and national regulations).

Disposal of packaging:

Recycle if possible. Destroy packaging by incineration at an approved waste disposal site (in accordance with local and national regulations).

13. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

14. REGULATORY INFORMATION

Safety data sheets: according to Regulation (EC) No. 1907/2006

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

Additional regulations (European Union) :

Hazardous Waste Regulations 2005

Inventory of Sources and Releases Reporting Form, 1999. Environment Agency, United Kingdom. As amended by 2002 Pollution Inventory Substances Lists, 2002.

Applies

Applies

**14.2. Chemical Safety Assessment:**

A Chemical Safety Assessment is not required for this substance.

INVENTORIES:

EINECS:	Conforms to
TSCA:	Conforms to
AICS:	Conforms to
DSL:	All components of this product are on the Canadian DSL list.
ENCS (JP):	Conforms to
KECI (KR):	Conforms to
PICCS (PH):	Conforms to
IECSC (CN):	Conforms to
NZIOC:	Conforms to

15. OTHER INFORMATION**Thesaurus:**

NOAEL : No Observed Adverse Effect Level (NOAEL)

LOAEL : Lowest Observed Adverse Effect Level (LOAEL)

bw : Body weight

food : oral feed

dw : Dry weight

vPvB : very Persistent and very Bioaccumulative

PBT : Persistent, Bioaccumulative and Toxic

This information applies to the PRODUCT AS SUCH and conforming to specifications of KEM ONE. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

NB: In this document the numerical separator of the thousands is the "." (point), the decimal separator is "," (comma).
