InstaZorb® 30/80

Technical Data Sheet

INDUSTRIAL ABSORBENT FOR ALL LIQUIDS AND SEMI-LIQUIDS

PRODUCT DESCRIPTION:

Expanded volcanic mineral treated with a patented surfactant that allows it to break through the surface tension of the liquid to be absorbed instantaneously.

Absorbent for all liquids and semi-liquids : Solvents; Oils; Hydraulic Fluid; Brake Fluid; Glycol; Acid; Base; Epoxy; Glues, Paint; Resins; Polymers…

Will not contaminate foods and is authorized in France by the law of September 8th 1999.

FEATURES:

InstaZorb has the power to extract the hardest spills even from surfaces like cement or concrete.

InstaZorb is very cost effective; it reduces clean up costs, labor costs, disposable costs, slip and fall liability, and even shipping costs.

INSTAZORB is ISO 14001 complient.

InstaZorb has 3 to 4 times the absorbing capacity of the nearest competition (Example: 100 g of InstaZorb to absorb 276 g of oil). It's absorbency capacity can be increased by cruching the granular.

INSTAZORB's power equals 3 to 4 bags of any type of clay based absorbents.

InstaZorb will not leach into the environment and therefore helps preserve our underground rivers. The Environment Protection Agency forbid any biodegradable absorbents to be put in landfills (garbage centers), due to the fact the absorbents that biodegrade will let the pollutant that it absorbed into the ground. InstaZorb is not biodegradable and will keep the pollutant inside forever…

InstaZorb is easy to handle and carry, because one bag containing 30 liters weighs only approx. 3 kilos. Moreover it is perfect in order to conform into the ISO 14 000 regulation and will save up to 50% in waste management costs.

INGREDIENTS:

Expanded treated volcanic mineral.

PHYSICAL CARACTERISTICS:

Appearance	powder
Color	white
Ph	6.5 to 8
Specific gravity	2.2
Thermal conductivity	0 04 to 0,06 per m. K
Melting point	1260 °Celsius
Flash Point	Non flammable
Granulometry	0,5 to 2 mm
Absorption capacity	463 % on Oil
Density	0.08 – 0.12

CHEMICAL CARACTERISTICS:

(Average distribution by weight)	
SiO2	74 %
Al2O3	12,5 %
Na2O	3,5 %
MgO	1 %
CaO	1 %
K2O	0,5 %
H2O	0,5 %
Exclusive Surfactant	2 %
Other (by difference)	5 %

PLACE OF USAGE:

All industries and public administration

DIRECTIONS OF USAGE:

1. Pour InstaZorb on and around the spill
2. Using a stiff broom, immediately sweep InstaZorb through the liquid back and forth until the spill is totally absorbed. It absorbs on CONTACT! You can also use your shoe and foot to crush the bigger granules and increase the absorbency power of the 30/80 and rub the 30/80 into the spill.
3. Pick up the saturated absorbent with a dust pan and dispose of it in a suitable container.

PRECAUTIONS:

There is no particular precaution to have per say with InstaZorb, but there may be some precautions to have depending on the absorbed liquid.
* InstaZorb *cannot be used for Hydrofluoric acid.*

RECOMMENDATIONS:

Pour the powder directly on the spill and not in the atmosphere.
Once used; close the bag.

STORAGE:

In the original package, away from humidity its shelf life is unlimited.

PACKAGING:

- 30 liter Polyethylene bags 100mμ

Approx: 3 kg

- 3 liter Polyethylene bags 100mμ

Approx: 300 g

MATERIAL SAFETY DATA SHEET
(Compliant to REACH (n° 1907/2006), ANNEXE II)

Date : JULY 2015

1. Substance identification and supplier	**Brand**: *InstaZorb* ®. **Raw Material**: Perlite. **Chemical name**: Amorphous Aluminium Silica **REACH Registration No:** Exempted according to Article 2 V.7. **Usage**: ABSORBANT **Supplier**: CMK s.a. 367 Avenue Louise 1050 Bruxelles Belgique Tél. +32 (0)479 54 54 54 Email : info@instazorb.eu Site : www.instazorb.eu
2. Hazard Identification.	A large amount of dust would be considered a nuisance. No acute or chronic hazard to health, known. Is not considered a carcinogen, nor as likely to cause silicosis. Specific Hazards: None, in normal use. Medical conditions may be aggravated by high dust: Diseases of the existing upper respiratory tract and lungs such as bronchitis, emphysema and asthma (not exhaustive). Target Organs: None. Acute health effects: A large quantity; transient irritation of upper respiratory tract. No specific risk known under normal conditions of use. This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH regulation.

3. Composition/Information on ingredients.	**Substance** : Treated Expanded Perlite **CAS** Number : 93763-70-3. **Susceptible dangerous components** : Nul **Impurities (representing danger)** : Nul. **PEL** : 10 mg/m_3 Total dust. 5 mg/m_3 Breathable dust.
4. First Aid Measures.	**After inhalation**: Induce coughing **Skin contact:** Harmelss & non-irritant. **After Eye contact**: : If substance has got into the eyes, immediately wash out with plenty of water. See medical doctor if particles are still lodged in eye, no need for immediate medical attention. **After ingestion** : Do not induce vomitting. Wash out mouth with water and give plenty of water to drink. Obtain medical attention.
5. Fire-Fighting Measures	**Extinguishing media** It does not pose any restrictions on the extinguishing media to be used in cases of fire in its vicinity. Use fire extinguishing methods suitable to surrounding conditions. **Special hazards arising from the substance or mixture** The material is not flammable and it does not support fire. No hazardous thermal decomposition products. **Advice for firefighters** Fire fighters should bear the PPEs designated for the area.
6. Accidental Release Measure	**Personal precautions, protective equipment and emergency procedures** Avoid dust formation. In case of exposure to high level of airborne dust, wear a personal respirator and safety goggles in compliance with National legislation.

	Environmental precautions No special requirement. Wastes generated during application and spillage are not considered hazardous; dispose according to local legislation. **Methods and material for containment and cleaning up** Avoid dry sweeping and use vacuum cleaning system to prevent airborne dust formation. Wear breathing masks and safety goggles during cleaning up in compliance with National legislation.
7. Handling and Storage.	**Storage:** • Classes of risk for storage: None. • It is recommended to shelter from the weather. **Handling:** Avoid dust formation. Immediately repair the damaged packaging.
8. Exposure Controls / Personal protection.	**Control parameters** Maintain personal exposure below occupational exposure limit for inhalable and respirable dust as dictated in the national legislation. **Exposure controls** **Appropriate engineering controls** Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing. **Individual protection measures, such as personal protective equipment:** Respiratory protection: in case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European and national legislation.

	Hand protection: appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session. Eye protection : wear safety glasses with side-shields in circumstances where there is a risk of penetrative eye injuries. Skin protection : normal work clothes. For hands see above. **Environmental Exposure Controls** Avoid wind dispersal.
9. Physical and Chemical Properties..	Physical state: Solid. Form: Powder. Color: White. Odor: None. Melting point: 1315 ° C Boiling point: No one. Vapor Pressure: N/A. Solubility in water: None. Vapor Pressure: N/A. Vapor Density: None. Evaporation Rate: N/A Density (water = 1): 2.28 Perlite natural Density: 0.08 to 0.20 Expanded Perlite Volume of volatile component: N/A Flammable Limits: None Flashpoint: Not flammable. Autoignition: None. Danger of explosion: None.
10. Stability & Reactivity.	**Reactivity** Inert, not reactive. **Chemical stability** Chemically stable. **Possibility of hazardous reactions** No hazardous réactions except will melt if put into contact with Hydrofluoric Acid **Conditions to avoid**

	None in designated use. **Incompatible Materials** Avoid storing together with materials that may be affected by dust. **Hazardous decomposition products** None.
11. Toxicological Information.	For frequent or prolonged accidental exposure: not harmful under normal conditions of use. Acute health effects: Irritation of upper respiratory tract. Primary irritant effect: may cause temporary irritation to eyes. Chronic: No chronic health hazard has been detected. Carcinogenicity: Not considered a carcinogen. Silicosis: Safe
12. Ecolological Informations.	**Eco toxicity** Based 96h bioassays the product is not toxic for Vibrio fischery, Artemia franciscana and Sparus Aurata. Based on field studies the product is not toxic for Patella sp.and Monodonta sp. **Persistence and degradability** Not relevant for inorganic substances. **Bioaccumulative potential** Not relevant for inorganic substances. **Mobility in soil** Negligible. **Results of PBT and vPvB assessment** Not relevant for inorganic substances. **Other adverse effects**

	No specific adverse effects are known.
13. Disposal considérations.	**<u>Excess or waste:</u>** - Methods relevant disposal: Treatment of perlite after incineration or deposit in a landfill (Class III). • **<u>Contaminated packaging:</u>** Incinerate.
14. Transport information.	The material is not classified as a dangerous substance and no restrictions apply for land/sea/air transportation. Avoid dust spreading. Not regulated. Hazard Symbols None required.
15. Regulatory Information	**Safety, health and environmental regulations/legislation specific for the substance or mixture** Authorisations : None required. Restrictions on use : None. Other EU régulations : InstaZorb is not a SEVESO substance, not an ozone depleting substance and not a persistent organic pollutant. National legislation requirements: Refer to the regulatory exposure limits for workforce enforced in each country. The product and any of the by-minerals contained have not been classified at the EU level, under the dangerous substances and preparations regulation. **Chemical safety assessment** Exempted from REACH Regulation in accordance with Annex V.7.
16. Other information. **Contact information :** **Tel. +32 (0)479 54 54 54** **& +33 (0)6 70 03 20 75** **Email : info@instazorb.eu**	Such information is the best of CMK's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular uses.