KANSAI PLASCON

Safety Data Sheet

Conforms to SANS ISO 11014: 2010 and ISO 11014: 2009

Polycell Polyfilla Interior (101002)

Section 1. Identification

GHS product identifier : Polycell Polyfilla Interior (101002)

Other means of identification : A fine general purpose filler for use on most interior surfaces.

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

Identified uses : Recommended for repairs on all interior cement and gypsum plaster, wood or other masonry surfaces before painting. It can also be used for texturing of surfaces, for sculpting and modelling, for repairing plaster cornices and picture frames, etc.

Supplier's details : Kansai Plascon (Pty) Ltd
P.O. Box 4010
Luipaardsvlei
1743

Emergency phone : (011) 951 4500 (within hours of operation)
Facsimile : (011) 955 2841
National Contact Person : Mr B. Bhugwandin

Section 2. Hazards identification

Classification of the substance or mixture : SKIN CORROSION/ IRRITATION - Category 1
SPECIFIC TARGET ORGAN TOXICITY REPEATED EXPOSURE- Category 1

Label elements according to : SANS 10234: 2008

Hazard pictograms :

Signal word : Danger

Hazard statements : H314 - Causes severe skin burns and eye damage.
H372 - Cause damage to organs through prolonged or repeated exposure.

Precautionary statements

General : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Prevention : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P233 - Keep container tighly closed.
P260 - Do not breathe vapor.
P261 - Avoid breathing dust/fumes/gas/mist/vapours/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves,protective clothing,eye protection or face protection.

Response : P310 - Immediately call a POISON CENTER or physician if you feel unwell.
P314 - Get medical advice or attention if you feel unwell.
P363 - Wash contaminated clothing before reuse.
P301+330+331 - IF SWALLOWED - Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
P337+313 - If eye irritation persists get medical advice/attention.
P370+380 - In case of fire: Evacuate area.

Storage : P410 - Protect from sunlight.
P402+404 - Store in a dry place. Store in a closed container.

Disposal P501 - Dispose of contents/containers in accordance with local regulation.

Other hazards which do not Result in classification : None identified.

Section 3. Composition/information on ingredients

Subtance/mixture : Mixture
Other means of identification : A fine general purpose filler for use on most interior surfaces.

CAS number/other identifiers

CAS number : Not applicable

Ingredient name	CAS number	%	SANS 10234 Classification
Quartz	14808-60-7	30.0-35.0	STOT-RE. 1, H372 Carcin. 1A, H350
Calcium Oxide	1305-78-8	20.0-25.0	Skin Irrit. 2, H315 Eye Irrit. 1, H318 STOT-SE. 3, H335
Aluminium Oxide	1344-28-1	5.0-10.0	Acute Tox. 4, H302
Disodium Oxide	1313-59-3	2.0-5.0	Skin Irrit. 1, H314

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation persist.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Remove contaminated clothing and shoes. Wash contaminated skin with soap or a recognised skin cleaner and plenty of water. Avoid the use of solvents. Get medical attention if symptoms persist. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

Most important symptoms/ effects, acute and delayed

Potential acute health effects
Eye contact : Causes serious eye damage.
Inhalation : May cause respiratory irritation.
Skin contact : Causes severe skin burns and eye damage.
Ingestion : Harmful if swallowed.

Over-exposure signs/symptoms
Eye contact : Adverse symptoms may include pain or irritation, watering or redness.
Inhalation : Adverse symptoms may include nausea or vomiting, headache, respiratory Irritation.
Skin contact : Adverse symptoms may include irritation or redness.
Ingestion : May cause damage to organs through prolonged or repeated exposure.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire such as foam, CO_2 or dry powder.

Unsuitable extinguishing media : None known.

Specific hazards arising from from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials
carbon dioxide
carbon monoxide

metal oxide/ oxides.

Special protective actions For fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist.

Conditions for safe storage, Including any Incompatibilities :Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Do not reuse container.

Section 8. Exposure controls/personal protection

Occupational exposure limits :

Ingredient name	Exposure limits
Quartz	**OHSA (TWA):** 2.4 millions of particle - Respirable. 0.1 mg/m^3 - Respirable. 0.3 mg/m^3 - Total dust.

Recommended monitoring Procedures **:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Appropriate engineering controls **:** No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Environmental exposure controls **:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Avoid direct contact. Never touch eyes with dirty hands or gloves. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if

a risk assessment indicates this is necessary.

Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary e.g. in case of insufficient ventilation. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Physical state	: Powder
Colour	: Off white
Odor	: No data available.
Odor threshold	: No data available.
pH	: Not applicable.
Melting point	: No data available.
Boiling point	: Not applicable.
Flash point	: Product does not sustain combustion.
Evaporation rate	: Not applicable.
Flammability (solid, gas)	: Not applicable.
Lower and upper explosive (flammable) limits	: Not applicable.
Vapor pressure	: No data available.
Vapor density	: No data available.
Relative density	: 2.4 (typical)
Solubility	: Water miscible
Partition coefficient, n-octanol/water	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.

Viscosity : Not applicable.

Section 10. Stability and reactivity

Reactivity : Inert - no reaction with fire-fighting water

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No data available.

Incompatible materials : No data available.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Quartz	LD50 Oral	Rat	>5000 ppm	-

Irritation/Corrosion
No data available

Specific target organ toxicity (single exposure)
No data available

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target Organs
Quartz	Category 1	Not determined	Respiratory system

Aspiration hazard
No data available

Information on the likely routes of exposure : Ingestion, Inhalation, skin contact

Potential acute health effects
Eye contact : Causes serious eye damage.
Inhalation : May cause respiratory irritation.
Skin contact : Causes severe skin burns and eye damage.
Ingestion : Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics
Eye contact : Adverse symptoms may include pain or irritation, watering or redness.
Inhalation : Adverse symptoms may include nausea or vomiting, headache, respiratory Irritation.

Skin contact : Adverse symptoms may include irritation or redness.
Ingestion : May cause damage to organs through prolonged or repeated exposure.

Potential Chronic health effects
General : May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Acute toxicity estimates
No data available.

Section 12. Ecological information

Toxicity

Toxicity

Product/Ingredient name	Result	Species	Exposure
Quartz	Acute LC50 500 mg/l Fish Acute LC50 300 mg/l Aquatic Acute LC50 230 mg/l Aquatic	Rainbow trout Daphnia magna Daphnia magna	96 hours 48 hours 96 hours
Calcium Oxide	Acute LC50 1070 mg/l Fish	Cyprinus carpio	96 hours
Aluminium Oxide	Acute LC50 >100 mg/l Fish Acute LC50 >100 mg/l Aquatic Acute LC50 >100 mg/l Algae	Rainbow trout Daphnia magna Green algae	96 hours 48 hours 72 hours

Persistence and degradability
No data available.

Bioaccumalitive potential
No data available.

Mobility in soil
Soil/ water partition coefficient (K_{OC}) : No data available.
Mobility : No data available.

PBT/vPvB data : P: No data available. B: No data available. T: No data available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and

its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	Transportation - road - SANS 10228:2012	Transportation- Maritime - IMO/ IMDG	Transportation- Air - IATA
UN number	3066	3066	3066
UN proper shipping name	Paint	Paint	Paint
Transport hazard class(es)	8	8	8
Packing group	III	III	III
Environmental hazards	No	No	No
Additional information	No data available	**Emergency schedules (EmS)** F-A, S-B **Remarks:** (< 5L:) Limited Quantity - ADR/IMDG 3.4.6	**Passenger and Cargo Aircraft Ltd QTY:** Quantity limitation: 1 L Packaging instructions: Y841 **Passenger and Cargo Aircraft:** Quantity limitation: 5 L Packaging instructions: 852 **Cargo Aircraft Only:** Quantity limitation: 60 L Packaging instructions: 856
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	No data available	No data available	No data available

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product

: **Relevant information regarding authorization:** Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.
Relevant information regarding restrictions: None known.
EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC
Other National regulations: None. Standards used for PPE recommendations in Section 8: NIOSH-National Institute for Occupational Health and Safety (USA) EN 166- European standard which concerns the area of eye protection. EN 374-3 European standards for permeation and penetration. EN 141/EN 143 European standards for gas mixtures to remove specified gases and vapours or combined filters for removing solids, and/or liquid particles and specified gases and vapours.

Section 16. Other information

History

Date of printing : 04/05/2018
Date of previous issue : 30/10/2017
Key to abbreviations : ATE = Acute Toxicity Estimate
BCP Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
$LogP_{ow}$ = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
UN = United Nations

References : Supplier safety data sheets

Further information:
This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.
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