CONSEAL 250

PRODUCT SAFETY DATA SHEET
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Section 1 – Product Identification

IDENTITY: Product Name: Conseal 250
Chemical Characterization: Polyurethane Waterproofing Coating
Product Use Description: Liquid Waterproofing Membrane

Section 2 – Hazards Identification

GHS Classification:
Skin irritation, Category 2 H315: Causes skin irritation
Flam. Liq, Category 3 H226: Flammable liquid and vapour
Resp. Sens. , Category 1 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Respiratory system; Category 3 H335: May cause respiratory irritation
Carcinogenity, Category 1B H350: May cause cancer

GHS Label element:
Hazard Pictograms

Signal Word: Warning
Hazard Statements:
R20/21: Harmful by inhalation and in contact with skin.
R42: May cause sensitisation by inhalation.
R10: Flammable.

Precautionary Statements:
Prevention:
P264: Wash skin thoroughly after handling.
P280: Wear eye protection/face protection.
P280: Wear protective gloves.
P281: Use protective equipment as required

Response:
P302 + P352: IF ON SKIN: Wash with plenty of water.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned. Get medical advice/attention.
P332 + P313: IF skin irritation occurs. Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.

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Storage:
P403 + P232: Store in a well-ventilated place. Protect from moisture.
Disposal:
P501: Dispose of contents/container to an approved waste disposal site.
P502:Refer to manufacturer/supplier for information on recovery/recycling.

Section 3 – Composition / Information on Ingredients

Hazardous Components	CAS No.	TLV	PEL	Weight%
Water based solution of inorganic alkaline earth mineral compounds.				10 – 30.

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 not require reporting in this section.

Section 4 – First Aid Measure

After Inhalation: Remove subject to fresh air. Administer oxygen if difficulty with breathing. Consult a physician.
After Ingestion: Immediately seek medical attention. Do not induce vomiting without medical advice. If conscious, drink plenty of water.
After Skin Contact: Instantly wash skin with plenty of soap and water for at least 15 minutes. Wash clothing before reuse. Seek medical attention if symptoms persist.
After Eye Contact: Rinse opened eye with plenty of running water for at least 15 minutes, lifting upper and lower eyelids occasionally. Consult physician

Section 5 – Fire Fighting Measures

Extinguishing Media: Carbon dioxide (CO2), extinguishing powder, water fog, alcohol-resistant foam.
Special Fire Fighting Procedures: As in any fire, wear full protective gear and NIOSH-approved self contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.
Unusual Fire and Explosion Hazards: No unusual fire or explosion hazards. Material can splatter above 212^{o}F (100^{o}C).

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Section 6 – Accidental Release Measures

Person-related Safety Precautions: Avoid causing dust. Avoid eye and skin contact.
Environmental precautions: Prevent material from reaching sewage and drainage systems or bodies of water.
Methods for Cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

Section 7 – Handling and Storage

Handling: Avoid eye and skin contact. Keep out of reach of children.
Storage: Store in a cool, dry enclosed area off the ground in tightly closed containers. Protect against wetness and water. No special measures required against explosion and fires. Store away from foodstuffs.

Section 8 – Exposure Controls / Personal Protection

General protective and hygienic measures : Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid skin contact.
Respiratory Protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Protection of hands: Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Eye Protection: Wear tightly sealed safety glasses with side shields or goggles. Face shield as necessary.
Body protection: Protective work clothing

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Section 9 – Physical and Chemical Properties

Physical State: Liquid
Appearance/Color: Different according to colouring
Odor: Odorless
Odour threshold: Not determined.
pH- value: Not applicable
Change in condition
Melting point/Melting range: Not applicable.
Boiling point/Boiling range: 137°C
Flash Point: 25°C
Flammability (solid, gaseous): Not applicable
Ignition temperature: 500°C
Decomposition temperature: Not determined
Self-igniting: Product is not self igniting.
Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible
Explosion limits
Lower: 1.1 Vol %
Upper: 7.0 Vol %
Vapour pressure at 20°C: 6.7 hPa
Density at 20°C: 1.39 g/cm³
· **Relative density:** Not determined
· **Vapour density:** Not determined
Solubility in / Miscibility with water: Not soluble
Segregation coefficient (n-octanol/water): Not determined
Viscosity;
Dynamic: Not determined
Kinematic at 20°C: >90 s (ISO 6mm)
Solvent content VOC (EC): 251.17 g/l

Section 10 – Stability and Reactivity

Reactivity
Chemical stability
Thermal decomposition / conditions to be avoided: Stable at environment temperature.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: No dangerous decomposition products known.

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Section 11 – Toxicological Information

Acute Inhalation Toxicity: LD/LC50 values relevant for classification: 1330-20-7 xylene

Oral LD50 4300 mg/kg (rat)

Dermal LD50 2000 mg/kg (rabbit)

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: Sensitization possible through inhalation.

- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Xn

Sensitisation May cause sensitisation when inhaled.

Section 12 – Ecological Information

Toxicity

Acquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

Section 13 – Disposal Considerations

Waste Disposal Method: Dispose of in a manner consistent with federal, state and local regulations. Do not dispose together with household garbage. Do not allow product to reach sewage system.

Unused Residue or Spillage: Pick up wet or dry material. In case of disposal, harden liquid material with cement or concrete and dispose in accordance to local regulations

Container disposal: Completely emptied packaging can be given for recycling.

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Section 14 – Transport Information

RCRA Hazard Class: Non-hazardous
USDOT (Domestic Surface): Not regulated
IMDG (Ocean) Hazard Class or Division: Not regulated
IATA/ICAO (Air) Hazard Class or Division: Not regulated
TDG (Canada): Not regulated
UN Number: Not listed

Section 15 – Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture.
Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
Hazard-determining components of labelling: m-tolylidene diisocyanate xylene
Risk phrases:
10 Flammable.
20/21 Harmful by inhalation and in contact with skin.
42 May cause sensitisation by inhalation.
Safety phrases:
9 Keep container in a well-ventilated place.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
25 Avoid contact with eyes.
29 Do not empty into drains.
36/37 Wear suitable protective clothing and gloves.
43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
Special labelling of certain preparations: Contains isocyanates. See information supplied by the manufacturer
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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Section 16 – Other information

(Hazard Rating: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe; * = Chronic)

HMIS III rating:

Health: 1* Flammability: 0 Physical hazard: 0

Abbreviations and acronyms:

USDOT: United States Department of Transportation.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

SDS prepared by: Costar product safety department

LEGAL NOTE:

Costarchem products are manufactured and sold in line with standard terms and conditions.

The details based on application and end- use of our products are given to our best technical knowledge, as this takes into note the handling, storage and application process which should be in accordance with Costar's stipulations.

While Costar ensures that product application advice or recommendations it gives is accurate because it has no direct or continuous control over where or how its products are applied, cannot accept any liability either directly or indirectly arising from the use of its products.
The user is responsible for checking and testing the suitability of products for their intended application and purpose and use.

The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery.

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