



Material Safety Datasheet

eurocrete Part 1 - Resin

Product Information

Product Identifier:

eurocrete Part 1 for eurocrete HF, HFS, SL, WR and TF

Produce Use:

Part 1 of a three component, water-based polyurethane flooring system.

Manufacturer and Supplier's Name:

eurocrete - a division of Bedford Industries Ltd.

PO Box 573

Fort Langley, BC V1M 2R9

Tel: 604-513-5855

Fax: 1-866-307-3780

www.eurocrete.com

Emergency Contact: 604-513-5855

Reactivity Data

Chemical Stability:

Stable under normal storage and handling. Not sensitive to mechanical impact.

Chemicals to be Avoided:

Keep away from oxidizing agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions.

Hazardous Decomposition Products:

When exposed to high temperatures, it may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, and oxides of nitrogen.

Hazardous Polymerization:

Will not occur.

Hazardous Ingredients

Hazardous Classification:

Non hazardous, non dangerous goods. Non dangerous goods for transport.

Information:

This product has a very low order of toxicity and does not represent a significant health hazard to users. However, the product does contain components of an organic nature and the hazard assessment is based on a consideration of these components. Prolonged contact with skin should be avoided as irritation may occur. Avoid contact with eyes.

Toxilogical Properties

Primary irritant effects:

May cause skin or eye irritation, however sensitization is unlikely. Although no toxicity testing has been carried out on this product, its components are regarded as being of minimal toxicity.

Fire & Explosion Data

Suitable extinguishing media:

Powder, foam, carbon dioxide. Do not use water jet.

Special hazards:

Toxic gases and vapours produced in a fire.

Protective Equipment:

Self contained breathing apparatus. Cool endangered containers with water in case of fire. Do not allow quenching water into sewers or waterways.

Hazchem code:

None allocated.

Physical Data

Form:	Liquid
Odor:	No odour
Colour:	Pale Yellow
pH:	ca 7
Specific Gravity/Density:	2.37
Water Solubility:	Insoluble
Melting Point:	N/A
Freezing:	N/A
Boiling Point:	>200 oC
Vapour Pressure:	N/A
Evaporation Rate:	N/A
Density:	0.95-1.05 g/cm ³ @ 20oC
Viscosity:	590-630 mPas @ 20oC
Flash Point:	>200 oC Closed cup
Non volatile content:	>90%
Solvent content:	<10%

Preparation Information

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Preventative Measures

Engineering Controls:

Provide sufficient ventilation. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of vapours or particles below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn.

Leak and Spill Procedure:

Spills should be collected/removed mechanically. Remainder can be contained by absorbing with a non combustible dry inert filler (vermiculite, sand, or soil) which can then be shovelled into appropriately labelled drums.

Waste Disposal:

Disposal should be effected by an approved waste disposal organization according to local regulations. Do not empty into drains. If the product contaminates lakes, rivers, or sewages, inform appropriate authorities in accordance with local regulations.

Handling:

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid contact with skin and eyes. Do not inhale the vapour. Do not eat, drink, or smoke during work. Wear goggles/visor, impervious gloves, and protective clothing. Comply with the health and safety at work laws.

Storage Requirements:

Store in a cool location. Containers should be kept dry and sealed. Containers which are opened, must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one. Avoid heating and direct sunlight. Keep away from ignition sources. No smoking.

First Aid Measures

Inhalation:

Use in well ventilated areas. If inhalation does occur, remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. Seek medical attention.

Ingestion:

Not a normal route of injury. Do not induce vomiting. Give large quantities of water and get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person.

Skin Contact:

Remove contaminated clothing. Remove excess from skin mechanically. Wash contacted areas thoroughly with plenty of soap and water. Do not use solvents or thinners. If irritation persists, seek medical attention. Wash contaminated clothing thoroughly before re-use.

Eye Contact:

Immediately flush eyes with copious amounts of water for a minimum of 15 minutes. Seek immediate medical attention if adverse effect occurs. Skilled personnel should only undertake removal of contact lenses after an eye injury.



Material Safety Datasheet

eurocrete Part 2 - Hardener

Safety Precautions

General Precautions:

Avoid skin and eye contact. Wear goggles/visor, impervious-gloves and protective clothing. Ensure area is well ventilated or use respiratory protection.

Environmental Precautions:

Remove sources of ignition. Do not allow product to reach sewage system or any watercourse. Prevent seepage into workpits and cellars. Inform respective authorities in case of seepage into water course or sewage system.

Fire Fighting Measures

General:

In case of fire, use powder, foam, or carbon dioxide.
Do not use water jet. Toxic gases and vapours are produced in a fire.

Handling And Storage

Handling:

Ensure good ventilation. Avoid contact with skin and eyes. Atmospheric concentrations should be minimized and kept as low as practicable below the occupational exposure limit.

Storage:

Keep containers properly sealed and store indoors in a well ventilated area. Avoid any contact with moisture. Store in a cool location. Avoid copper, copper alloy, and galvanized surfaces.

Contact Information

eurocrete:

A division of Bedford Industries Ltd.
PO Box 573
Fort Langley, BC V1M 2R9
Tel: 604-513-5855
Fax: 1-866-307-3780
www.eurocrete.com

Chemtree 24 hour hotline:

1-800-424-9300

Cleanup Procedure

Absorption:

Absorb spillages with sand, earth, or any suitable non-combustible absorbent material.

Decontamination:

A suitable decontaminant is as follows: water 90%, concentrated ammonia solution 8%, liquid detergent 2%.

Hazard Identification

Designation:

Xn - Harmful

Information:

R20 - Harmful by inhalation

R36/37/38 - Irritation to eyes, respiratory system and skin

R42 - May cause sensitization by inhalation

General Notes:

Product is a respiratory irritant and potential respiratory sensitizer. Repeated inhalation of vapour or aerosol at levels above the occupational exposure limit could cause respiratory sensitization.

First Aid Measures

General:

Remove soiled clothing immediately. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

After inhalation:

Move victim to fresh air, keep warm and allow to rest. Obtain medical attention.

After skin contact:

Remove contaminated clothing. Wash immediately with plenty of soap and water. In case of persistent irritation/rash, seek medical attention.

After eye contact:

Rinse immediately with plenty of water. Continue for 15 minutes and seek medical attention.

After swallowing:

Provided patient is conscious, rinse mouth with water and give half a pint of water to drink. Do not induce vomiting. Obtain immediate medical attention.



Material Safety Datasheet

eurocrete Part 3 - Filler

Product Information

Product Identifier:

eurocrete Part 3 for eurocrete HF, HFS, SL, WR and TF

Produce Use:

Part 3 of a three component, water-based polyurethane flooring system.

Manufacturer and Supplier's Name:

eurocrete - a division of Bedford Industries Ltd.

PO Box 573

Fort Langley, BC V1M 2R9

Tel: 604-513-5855

Fax: 1-866-307-3780

www.eurocrete.com

Emergency Contact: 604-513-5855

Hazardous Ingredients

Hazardous Classification:

Non hazardous, non dangerous goods. Non dangerous goods for transport.

Hazardous Ingredients:

TLV

Silica Sand: 10mg/M3

Portland Cement: 10mg/M3

Physical Data

Form:	Grey powder
Odor:	No odour
Boiling Point:	N/A
Vapour Pressure:	N/A
Vapour Density:	N/A
Solubility in Water:	<22%
Specific Gravity:	2.73
Evaporation Rate:	N/A
(Butyl Acetate=1) Melting Point:	N/A

Toxilogical Properties

Health Hazard Summary:

Slightly corrosive. Avoid eye or skin contact or dust inhalation. This product has the potential to cause acute and chronic health effects with over exposure. Crystalline silica can cause silicosis (lung disease) with chronic over exposure.

Inhalation:

Slightly corrosive. Over exposure may result in severe mucous membrane irritation and bronchitis. Dust can cause irritation and inflammation of respiratory tract.

Eyes:

Corrosive. Severe irritant upon contact with powder/dust. Over exposure may result in pain, redness, corneal burns and ulceration with possible permanent damage.

Skin Contact:

Slightly corrosive. Prolonged and repeated contact with powder or wetted form may result in skin rash, dermatitis and sensitisation.

Ingestion:

Slightly corrosive. Ingestion may result in burns to the mouth and throat, with vomiting and abdominal pain. Due to product form, ingestion is not considered a likely exposure route.

Carcinogenicity:

Not classified as a carcinogen:

NTP? no; IARC Monographs? no; OSHA Regulated? no

Fire & Explosion Data

Flash Point:

Not combustible

Flammable Limits:

N/A

Fire Extinguishing Media:

N/A

Special Fire-fighting Procedures:

Product has no unusual fire or explosion hazards.

Unusual Fire and Explosion Hazards:

None

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Preventative Measures

Engineering Controls:

Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product. Keep out of reach of children. Keep tightly closed. Use protective filter mask in dust environments. Use either local or mechanical exhaust. Wear safety goggles and clean protective clothing in well-ventilated work area.

Leak and Spill Procedure:

No special procedures are required for the clean-up of spills or leaks of this material. Sweep or scoop up spill, avoid creating dust, and return for reuse or discard. Do not dry sweep. Wear gloves in manual handling. Slurry may clog drains.

Waste Disposal:

Disposal should be effected by an approved waste disposal organization according to local regulations. Do not empty into drains. If the product contaminates lakes, rivers, or sewages, inform appropriate authorities in accordance with local regulations.

Handling and Storage:

Wear gloves in manual handling. Avoid breathing dust. Keep out of reach of children. Re-seal part bags. Keep in dry stable temperature (17° C / 63° F optimum).

First Aid Measures

Inhalation:

Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped, administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

Ingestion:

Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.

Skin Contact:

Remove contaminated clothing. Wash thoroughly with plenty of soap and water. If irritation persists seek medical attention. Wash contaminated clothing thoroughly before re-use.

Eye Contact:

Flush eyes with water, lifting upper and lower lids occasionally, for a minimum of 15 minutes. Seek medical attention.

Reactivity Data

Stability:

Stable under normal storage and handling conditions. Not sensitive to mechanical impact. Unstable if subjected to carbon dioxide in most air and acids.

Incompatibility:

Contact with acids

Hazardous Polymerization:

Will not occur