



Safety Data Sheet (SDS) Complies with OSHA's Hazard Communication Standard

Section 29 CFR. 1910.1200, System of Classifying and Labeling Chemicals

Date of preparation: January 5, 2018

Version #: 1.0

Safety Data Sheet (SDS) – DURASKIRT™ Concrete Panel Units

SECTION 1: IDENTIFICATION

PRODUCT NAME	DURASKIRT™ Concrete Panel Units
OTHER NAMES	Not Relevant
RECOMMENDED USE	Concrete panel products used for the purpose of construction of buildings, walls, vertical surfaces and skirting (underpinning). Varies based upon type of product selected, refer www.duraskirt.com for further information on full range of concrete panel products and their recommended uses.
COMPANY	Creative Concrete Products, LLC
ADDRESS	CREATIVE CONCRETE PRODUCTS 115 LIND STREET MOUNT VERNON, WA 98273
TELEPHONE	1-360-419-9909

IMPORTANT NOTICE: THIS SAFETY DATA SHEET (SDS) IS ISSUED BY CREATIVE CONCRETE PRODUCTS, LLC IN ACCORDANCE WITH THE REQUIREMENTS OF "PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS – CODE OF PRACTICE, JANUARY 2018". AS SUCH, THE INFORMATION IN IT MUST NOT BE ALTERED, DELETED OR ADDED TO. CREATIVE CONCRETE PRODUCTS, LLC WILL NOT ACCEPT ANY RESPONSIBILITY FOR ANY CHANGES MADE TO ITS SDS BY ANY OTHER PERSON OR ORGANIZATION.

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

This product is an article as defined in the OSHA Hazard Communication Standard [29 CFR 1910.1200(c)] and is exempt from regulatory requirements when handled as a manufactured item. ***This SDS contains additional health hazard information related to dust generation during construction.***

Hazard class

- Skin irritation 2
- Eye irritation 2A
- Skin sensitization 1
- Carcinogenicity 1A
- Specific target organ toxicity - Single exposure 3
- Specific target organ toxicity - Repeated exposure 1

LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

Hazard Pictogram:



Signal Word:

Danger

Hazard Statement:

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Respirable dust may contain crystalline silica, known to cause cancer. May cause respiratory irritation. Causes damage to lungs through prolonged or repeated exposure.



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PREVENTION STATEMENTS

- P261** Avoid breathing dust
- P264** Wash hands thoroughly after handling
- P280** Wear protective gloves
- P280** Wear eye protection
- P285** In case of inadequate ventilation, although recommended, wear respiratory protection, half face mask with P1 filter (N95 can be substituted)

RESPONSE STATEMENTS

- P302 + P352** **IF ON SKIN:** Wash with plenty of soap and water
- P332 + P313** **IF SKIN IRRITATION OCCURS:** Get medical advice / attention
- P362** Take off contaminated clothing and wash before reuse
- P305, P351 + P338** **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313** **IF EYE IRRITATION PERSISTS:** Get medical advice / attention.
- P304 + P341** **IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P342 + P311** **IF EXPERIENCING RESPIRATORY SYMPTOMS:** Call POISON CONTROL or doctor / physician.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	PROPORTION	CAS NUMBER
Portland Cement (Hydrated)	1 – 30%	65997-15-1
Chromium VI (hexavalent chromium from cement)	trace	18540-29-9
Aggregate (sand, crushed stone, gravel, basalt, granite, bottom ash, scoria)	>50%	14808-60-7, 68131-74-8
Polypropylene homopolymer, with process stabilizers, pigments and UV stabilizer, and treated with a spin finish lubricant.	0 – 5%	9003-07-0
	<1%	9002-88-4
Polyethylene		
Water	1 – 10%	
Iron	1 – 10%	7439-89-6
Zinc	<1%	7440-66-6
Admixtures (air-entrainment, waterproofing agents, reducers, plasticizers)	<1%	2943-75-1



SECTION 4: FIRST AID MEASURES

The following measures are primarily for dealing with debris & dust caused from cutting, grinding or demolition of DURASKIRT™.

SWALLOWED	Rinse mouth and lips with water. Drink plenty of clean water to dilute stomach contents. Do not induce vomiting. If symptoms persist, seek medical attention.
EYES	Flush eyes with running water for 15 minutes. Seek medical assistance if discomfort persists.
SKIN	Remove heavily contaminated clothing. Wash with soap and water and apply skin moisturizer. Seek medical attention for persistent irritation or burning of the skin.
INHALED	Remove to fresh air and allow to rest. If irritation persists, seek medical advice.
FIRST AID FACILITIES	Washing facilities – mobile eye wash facility with sterile water and normal saline.
ADVICE TO DOCTOR	Treat Symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABILITY	Not Relevant
SUITABLE EXTINGUISHING MEDIA	Not Relevant
HAZARDS FROM COMBUSTION PRODUCTS	Not Relevant

SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS NOT RELEVANT

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILLS	Any debris from broken or sawn product should be shoveled into containers. Any residual fine material should be wet down to minimize airborne dust and swept up.
DISPOSAL	As solid fill in accordance with local government regulations for disposal of solid waste (refer local government guidelines).
EMERGENCY PROCEDURES	Not Relevant

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP NOT RELEVANT



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SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	DURASKIRT™ concrete units may be heavy and appropriate manual handling methods should be applied when lifting.
CONDITIONS FOR SAFE STORAGE	Not Relevant
INCOMPATIBILITIES	Not Relevant

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE STANDARDS

Exposure to dry concrete dust should be kept as low as practicable and below the following National Exposure Standard (NES) limits

BIOLOGICAL LIMIT VALUES

Crystalline silica (quartz): 0.1mg/m³ TWA (time weighted average) as respirable dust (≤ 7 microns particle equivalent aerodynamic diameter).

Remove heavily contaminated clothing. Wash with soap and water and apply skin moisturizer. Seek medical attention for persistent irritation or burning of the skin.

Chromium VI (hexavalent): 0.05mg/m³ - sensitizer.

Portland Cement: 10mg/m³ (respirable dust)

Only undertake drilling, cutting or grinding of units in a well-ventilated open area, and use water spray.

ENGINEERING CONTROLS

Personal Protective Equipment

SKIN PROTECTION

Wear cloth or leather gloves to protect hands against abrasion. Impervious gloves and apron should be worn when handling wet product.

EYE PROTECTION

Wear approved safety glasses, goggles or face shield when dust is being generated by cutting, drilling, chasing, grinding, sanding or polishing.

HEARING PROTECTION

Wear ear protection if using power tools.

FOOT PROTECTION

Wear safety footwear.

RESPIRATORY PROTECTION

Use a half-face respirator with a Class P1 filter or N95 mask where wet cutting is not possible.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Varies by product selected	EVAPORATION RATE	Not Relevant
ODOUR	Not Relevant	AUTO-IGNITION TEMP	Not Relevant
pH	7 – 12 when wet	DECOMPOSITION TEMP	Not Relevant
VAPOUR PRESSURE	Not Relevant	VISCOSITY	Not Relevant
BOILING POINT	Not Relevant		
FREEZING POINT	Not Relevant		
MELTING POINT	Not Relevant		
PERCENT VOLATILES	Not Relevant		
SOLUBILITY IN WATER	Not Relevant		
RELATIVE DENSITY	Varies based on selected product, refer to website for individual Technical data sheets.		
FLAMMABILITY LIMITS	Not Relevant		
FLASH POINT	Not Relevant		
IGNITION TEMPERATURE	Not Relevant		



SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY Chemically Stable

INCOMPATIBLE MATERIALS NOT RELEVANT

CONDITIONS TO AVOID Not Relevant

HAZARDOUS DECOMPOSITION PRODUCTS Not Relevant

HAZARDOUS REACTIONS Not Relevant

SECTION 11: TOXICOLOGICAL INFORMATION

Health Effects: Concrete Masonry Products, such as DURASKIRT™ panels pose no health hazard as manufactured. In some types of applications, it may be necessary to modify the units, this can be in the form of grinding, drilling or cutting and can generate dust. All information in this section relates to the generation of dust.

ACUTE – SHORT TERM EXPOSURE

- SWALLOWED** Possible gastrointestinal irritant. Abrasive
- EYES** Dust and fragments generated through mechanical impact may be sharp and irritating to eyes.
- SKIN** May lead to dry or irritated skin.
- INHALED** Inhalation of dust particles may cause irritation of nasal passages and respiratory tract.

ACUTE – LONG TERM EXPOSURE

- EYES** The dust may cause pain, redness and inflammation of the cornea.
- SKIN** Repeated contact causes irritation and drying of skin.
- INHALED** Prolonged exposure to respirable dust, which contains crystalline silica (quartz) at levels above the National Occupational Exposure Standard, could lead to chronic respiratory disease such as bronchitis, silicosis (scarring of the lung) or lung cancer. The association between exposure to respirable quartz and lung cancer is stronger in people who have already developed silicosis and/or are cigarette smokers.



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SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	Material is non-toxic to ecosystem. Dust is alkaline when mixed with water.
PERSISTENCE AND DEGRADABILITY	Product is persistent and has a low degradability.
MOBILITY	Low mobility would be expected in landfill situations.

SECTION 13: DISPOSAL CONSIDERATIONS

DURASKIRT™ concrete units can be treated as common waste for disposal or dumped into a landfill site in accordance with local authority guidelines. Measures should be taken to prevent dust generation during disposal.



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SECTION 14: TRANSPORTATION INFORMATION

UN NUMBER	Not Relevant
UN PROPER SHIPPING NAME	Not Relevant
CLASS AND SUBSIDIARY RISK	Not Relevant
PACKING GROUP	Not Relevant
SPECIAL PRECAUTIONS FOR USE	Not Relevant
HAZCHEM CODE	Not Relevant

SECTION 15: REGULATORY INFORMATION

Exposures by inhalation of high levels of dust may be regulated under the Hazardous Substances Regulation as they are applicable to Respirable Crystalline Silica requiring exposure assessment, controls and health surveillance (NOHSC).

Apoison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and poisons (SUSDP).

SECTION 16: OTHER INFORMATION ISSUE DATE

PRODUCED BY

REFERENCED DOCUMENTS

January 5th, 2018

CREATIVE CONCRETE PRODUCTS, LLC

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice February 2016

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FOR MORE INFORMATION CALL 360-419-9909 | WWW.DURASKIRT.COM

Safety Data Sheet

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