Flextile Ltd.

Safety Data Sheet

Duoflex 90

SECTION 1: IDENTIFICATION

Product: Duoflex 90
Product Use: Ceramic Tile Adhesive
Manufacturer Information:

Ontario
111 Royal Group Crescent
Vaughan, Ontario
L4H 1X9
Tel: (416) 255-1111
Fax: (416) 255-1729

British Columbia
2829 Lake City Way
Burnaby, BC
V5A 2Z6
Tel: (644) 420-4914
Fax: (604) 420-0936

IN CASE OF EMERGENCY CALL CANUTEC (613) 996-6666

SECTION 2: HAZARDS IDENTIFICATION

Classification of the chemical
No specific hazards are encountered under normal product use.

GHS Signal Word	Danger	
GHS Classification:		
Skin corrosion / irritation	Category 1	Causes skin irritation
Serious eye damage / eye irritation	Category 1	Causes serious eye damage
Skin sensitization	Category 1	May cause an allergic skin reaction
GHS hazard statements	Causes skin irritation may cause an allergic skin reaction, causes serious eye damage; may cause respiratory irritation; may cause cancer; causes damage to organs through prolonged or repeated exposure.	

GHS Precautions	
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves and eye protection.
P302+P352.A	**If on skin**: Wash with plenty of water.
P305+P351+P338	**If in eyes**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with applicable regulations.

ADDITIONAL INFORMATION
Hazards not otherwise classified identified during the classification process:
None
This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it does not present a dust hazard; therefore, this classification is not relevant for this product in liquid or paste form.

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Name	% By Weight	CAS No.	Classification
Calcium Carbonate	40 - 70	1317-65-3	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3 H335
Silica Sand, Crystalline quartz	0.1 - 1.0	14808-60-7	Carc. 1A, H350 STOT RE 1, H372

SECTION 4: FIRST AID MESURES

General In case of accident or unwellness, seek medical attention immediately.
Eye Contact Flush eyes and contaminated skin with abundant water. Seek medical attention immediately.
Skin Contact Remove contaminated clothing immediately. Wash skin immediately with soap and abundant water.
If Ingested Do not induce vomiting. Drink plenty of water or milk to dilute. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media	Water spray, carbon dioxide, dry chemical or foam
Unsuitable Extinguishing Media	None in particular
Hazardous Combustion Products	Do not inhale explosion and combustion gases
Explosive Properties	N/A
Oxidizing Properties	N/A
Special Firefighting Procedures	Wear standard fire fighting gear with self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Special Protection Wear personal protective equipment.
Protective Equipment Refer to Section 8 on this Safety Data Sheet for appropriate personal protection equipment.
Spill Clean Up Directions Pick up solids. Mop up or absorb with an inert material. Scrape up and dispose into a disposal container. Suitable material for absorbing material, sand.
Waste Disposal Dispose of in accordance with local, state and federal regulations.
Environmental Precautions Do not allow product to enter drains or waterways. Do not allow material to contaminate ground water system. Refer to Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Wear personal protective equipment. Avoid contact with skin and eyes, inhalation of vapours and mists.
Contaminated clothing should be changed before entering eating areas. Do not eat or drink in work areas.
Do not use any empty containers before they are cleaned.
Protective equipment Refer to Section 8 on this Safety Data Sheet for appropriate personal protection equipment.
Keep containers tightly closed when not in use. Wash thoroughly after handling.
Storage Store in a cool, adequately ventilated, dry area, avoid freezing.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS

Chemical Name	CAS No.	ACGIH TLV	OSHA PEL
Silica Sand, Crystalline Quartz	14808-60-7	0.025 mg/m^3 TWA (respirable fraction)	0.1 mg/m^3 TWA (respirable)
Calcium Carbonate	1317-65-3	10 mg/m^3 TWA	5 mg/m^3 TWA (respirable)

ENGINEERING CONTROL METHODS:

Eye Protection Wear safety glasses with side shields
Skin Protection Avoid skin contact by wearing proper work gloves and long sleeved shirt.
Hand Protection Use protective gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber.
Respiratory Protection N.A.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Viscous liquid
Odour and appearance	White paste, Latex odour.
Odour threshold	N/A
Specific gravity	1.4 - 1.5
Vapour pressure	N/A
Vapour density (air=1)	N/A
Evaporation rate	As for water
Boiling point	100˚C (212˚F)
Freezing point	N/D
pH	8 - 9
Flash point	>100˚C (212˚F)
Upper/Lower flammability or explosive limits	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Explosive properties	N/A
Oxidizing properties	N/A
Solubility in water	Dispersable
Solubility in oil	N/D
Octanol/Water coefficient	N/D
Calculated VOC content	< 22 g/l

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Will not occur
Chemical stability	Stable
Incompatible materials	N/D
Conditions to avoid	Stable under normal conditions
Hazardous decomposition products	CO, CO_2 and fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information based on the individual components.

Chemical Name	CAS No.	LD50/LC50
Silica Sand, Crystalline Quartz	14808-60-7	Oral LD50 (rat) 500 mg/kg
Calcium Carbonate	1317-65-3	Oral LD50 6450 mg/kg (rat)

Routes of entry skin contact, eye contact, ingestion.
Effects of acute exposure irritate the eyes. Ingestion can cause irritation of the throat.

Acute toxicity	N/A.
Skin corrosion	N/A
Serious eye damage / irritation	Can cause moderate irritation
Respiratory or skin sensitization	N/A
Germ cell mutagenicity	No data available.
Carcinogenicity	This product contains crystalline silica. Crystalline silica (respirable size) is classified as carcinogenic by inhalation by : IARC (Group 1), ACGIH (Group A2), NTP (Group 1), OSHA (Select carcinogen).
Reproductive toxicity	No data available
STOT-single exposure	N/A
STOT-repeated exposure	N/A
Aspiration hazard	N/A

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	N/A
Persistence and degradability	N/A
Bioaccumulative potential	N/A
Mobility in soil	N/A
Other adverse effects	N/A

List of components with eco-toxicological properties

Silica Sand	LC50 Aquatic acute toxicity carp> 10,000 mg/L 72h

SECTION 13: DISPOSAL CONSIDERATIONS

Handling for disposal Handle waste as per recommendations in Section 7.
Dispose of in an approved landfill. Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

SECTION 14: TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.
Canadian TDG : not regulated
US DOT: not regulated
IATA: not regulated

SECTION 15: REGULATORY INFORMATION

Canadian Information:
Canadian WHMIS Classification: This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Controlled Products Regulations (CPR). Refer to Section 2 for a WHMIS Classification for this product.
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.
Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on either the Domestic Substances List (DSL) or the Non- Domestic Substances List (NDSL). It contains components listed on the Canadian HPA Ingredient Disclosure List. It contains Crystalline silica, quartz.

US Federal Information:
TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.
CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.
SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above the minimum concentrations.
U.S. State Right To Know Laws
California Proposition 65:
Warning! This product contains a chemical known to the State of California to cause cancer. It contains Crystalline silica, quartz.
Lithium Carbonate Listed as reproductive toxicant

Other State Right to Know Law:
MA Limestone, Crystalline Silica, Quartz
NJ Limestone, Crystalline Silica, Quartz
PA Limestone, Crystalline Silica, Quartz
MN Limestone, Crystalline Silica, Quartz
RI Limestone, Crystalline Silica, Quartz

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SECTION 16: OTHER INFORMATION

This Safety Data Sheet is prepared to comply with the Canadian Workplace Hazardous Materials Information System (WHMIS) and the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).
HMIS rating: **Health** -- 1 **Flammability** -- 1 **Reactivity** -- 0
See **SECTION 8**: **EXPOSURE CONTROLS/PERSONAL PROTECTION** for personal protective equipment recommendations.

PREPARATION DATE OF SAFETY DATA SHEET

Prepared by Technical department
Phone number of preparer (416) 255-1111 FAX: (416) 255-1729
Date prepared 7th August, 2015

Flextile Ltd. assumes no responsibility for injury to consumer or third persons caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Flextile Ltd. assumes no responsibility for injury to consumer or third persons caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, consumer assumes the risk in use of the material.
The information and recommends set forth herein are believed to be accurate as some of the information is derived from information provided to Flextile Ltd. from suppliers and because Flextile Ltd. has no control over the conditions of handling and use. Flextile Ltd. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Flextile Ltd. assumes no responsibility for use or reliance thereon. It is the responsibility of the user to comply with all applicable federal, provincial, state, and local laws and regulations.