



FLOORWORX NO.65

MATERIAL SAFETY DATA SHEET_

DESCRIPTION

FloorworX No 65 is a water-based acrylic emulsion adhesive specially developed to meet the flooring contractor's need for a high performance adhesive suitable for bonding Marmoleum to cement screeds.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product Name:	FloorworX No.65
Issue Date:	December 2012
Revision Date:	November 2016
Chemical Product Type:	Water-based acrylic emulsion adhesive
Supplied by:	FloorworX Africa (Pty) Ltd
Company Location:	32 Steele Street, Steeledale, Johannesburg 2197
Chemical Formula:	Not applicable.
Emergency Contact Number:	+27 11 406 4024 (FloorworX) +27 11 406 4000 (Safic Environmental Solutions)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	%	EC Number	Classification
Toluene	108-88-3	< 6	203-625-9	F; R11, Xn; R20
Rosin (Gum)	8050-09-07	<30	232-475-7	Xn: R43 , S24, S37
Biocide		Up to 2%		Non-hazardous
Non-hazardous components		Up to 62%		Non-hazardous

Not classified as dangerous for transport. See Section 16 for the full text of the R Phrases declared above.

* Occupational exposure limit(s), if available, are listed in Section 8.

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3. HAZARDS IDENTIFICATION

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification

Dangerous Goods Class/Subsidiary Risk: None identified.

Aggravating conditions: Repeated or prolonged exposure is not known to aggravate any medical condition.

See Toxicological Information (Section 11)

4. FIRST-AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Skin

Immediately wash with water and soap and rinse thoroughly. Wash clothing before re-use. Thoroughly clean shoes before re-use. No known effect on skin contact.

Eyes

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

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5. FIRE FIGHTING METHODS

Extinguishing Media:	Carbon dioxide, dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
Unusual fire/explosion hazards:	Product is not combustible. However on burning the product will emit toxic fumes including oxides of carbon.
Hazardous thermal (de)composition products:	Not applicable.
Special fire-fighting procedures:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Protection of fire-fighters:	Not applicable.

6. ACCIDENTAL RELEASE MEASURES – ALSO SEE SECTIONS 5, 8 & 13

Personal precautions:	Wear suitable protective clothing.
Environmental precautions and clean-up methods:	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Do not allow to enter sewers/surface or ground water.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. HANDLING AND STORAGE

Handling:	Keep locked up. Do not ingest. Do not breathe gas/fumes/ vapour/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.
Storage:	Keep container tightly closed. Keep container in a cool, well-ventilated area away from sources of heat and incompatible materials. Avoid freezing. Store in clearly labelled containers.

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Packaging materials:

Use original container.

Not suitable:

No additional remark.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures:

Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location. Keep containers closed when not in use.

Hygiene measures:

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Occupational exposure limits

Ingredient Name:

Occupational Exposure Limits

Toluene

ACGIH (United States, 1996). Skin

TWA: 50 ppm

TWA: 188 mg/m³

ACGIH TLV (United States, 2003). Skin Notes: 1996 Adoption Refers to Appendix A - Carcinogens.

TWA: 188 mg/m³ 8 hour(s).

TWA: 50 ppm 8 hour(s).

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Personal protective equipment:	Use and maintain good industrial hygiene.
Respiratory system:	A respirator is not needed under normal and intended conditions of product use.
Skin and body:	Lab coat.
Hands:	Gloves.
Eyes:	Splash goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Pasty liquid. (Viscous liquid.)
Colour:	White to creamy white.
Odour:	Slight.
Density:	Weighted average: 1.05 g/cm ³
Solubility:	Easily soluble in cold water.
pH (50% solution in water):	7.2 – 8.0
Fire Hazards in Presence of Various Substances:	Not available.
Auto ignition temperature:	Not applicable.
Explosive properties:	Not available.
Lower explosion limit:	Not available.

10 STABILITY AND REACTIVITY

Stability:	The product is stable.
Conditions to avoid:	Do not allow to freeze, avoid exposure to frost.
Materials to avoid:	Strong oxidising agents, acids and alkalis.

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Hazardous Decomposition Products: Oxides of carbon.

Hazardous Reactions: None known.

11 TOXICOLOGICAL INFORMATION

Potential Acute Health Effects

Eyes: Moderately irritating to the eyes. May cause watering of eyes.

Skin: Prolonged contact may cause minor irritation in some individuals.

Inhalation: Moderately irritating to the eyes. May cause watering of eyes.

Ingestion: Slightly hazardous in case of ingestion.

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Target Organs: Not applicable.

Chronic effects: No known serious effects.

Acute toxicity

Ingredient Name	Test	Result	Route	Species
Toluene	LD50	636 mg/kg	Oral	Rat
	LD50	12210 mg/kg	Dermal	Rabbit
	LDLo	50 mg/kg	Oral	Human
	LD50	8000 mg/kg (4 hrs.)	Inhalation	Rat

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12 ECOLOGICAL INFORMATION

Ecotoxicity Data:

Ingredient Name	Species	Period	Result
Toluene	Toluene Daphnia magna (EC50)	48 hours	6 mg/l
	Toluene Daphnia magna (EC50)	48 hours	6.56 mg/l
	Oncorhynchus mykiss (EC50)	48 hours	6.78 mg/l
	Oncorhynchus mykiss (LC50)	96 hours	5.8 mg/l
	Oncorhynchus mykiss (LC50)	96 hours	6.78 mg/l
	Pimephales promelas (LC50)	96 hours	12.6 mg/l

Ecological Information

Mobility: Not available.

Soil/Water Partition Coefficient (KOC): Not available.

Persistence/degradability: Not available.

Bio accumulative potential: Low.

Ingredient Name	Persistence/degradability						Bio accumulative potential		
	BOD	COD	ThOD	Aquatic Half-life	Photolysis	Biodegradability	LogP	BCF	Potential
Toluene				< 28 day(s)		Readily		13	low

Remarks:

Do not release this product into drains, soils or waterways. Sufficient measures should be taken to retain the water used in extinguishing any fires involving this product. Dispose of contaminants in accordance with local landfill or municipality or national regulations. Let product residues harden in open container, then dispose of as construction waste.

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13 DISPOSAL CONSIDERATIONS

Methods of disposal:

Type: Non-hazardous chemical waste.

Disposal:

In a landfill in line with the local municipal disposal regulations.

Waste classification:

Not applicable.

European Waste Catalogue (EWC):

Not available.

14 TRANSPORT INFORMATION

Local / International transport regulations

Regulatory

Information	UN number	Proper shipping name	Class	Packing group	Label	Additional
ADR / SABS 0228 Class	Not regulated	-	-			-
IMDG Class	Not regulated	-	-			-
IATA-DGR Class	Not regulated	-	-			-
Transport/Additional Information	Not dangerous according to the above specifications					

15 REGULATORY INFORMATION

SABS 0263 / EU Regulations

Hazard symbol(s):



Irritant, Dangerous for the environment

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Indication of Danger

Risk phrases:	R36/37/38	Irritating to eyes, respiratory system and skin.
	R43	May cause sensitization by skin contact.
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases:	S2	Keep out of the reach of children.
	S29	Do not empty into drains.
	S46	If swallowed, seek medical advice immediately and show this container or label.

Product use: Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.

Consumer applications.

16 OTHER INFORMATION

Full text of R-Phrases with no. appearing in Section 2

R20:	Harmful by inhalation.
R36/37/38:	Irritating to eyes, respiratory system and skin.
R43:	May cause sensitization by skin contact.
R51/53:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Text of classifications appearing in Section 2

Xn: Harmful.

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