



Material SAFETY DATA SHEET

Flo-Grout EBG - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Flo-Grout EBG - Hardener**
Description: High strength pourable epoxy foundation resin grout
Manufacturer: **Don Construction Chemicals India LTD**
Tel. +914426185340/41/42
www.dcp-int.com
Date Prepared: 19.12.13
MSDS Number: DCP-IND/03/02-H

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy resin hardening agent, fillers.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
3-aminomethyl-3,5,5- trimethylcyclohexylamine	C, Xn	R21/22, 34, 43, 52/53	2855-13-2	15 – 45
2,4,6-tris(dimethylaminomethyl)phenol	Xn	R22, 36/38	90-72-2	12 – 35
Hydrocarbons,C-9 unsaturated, polymers with phenols	Xn	R22	71302-91-5	< 10
Benzyl alcohol	Xn	R20/22	100-51-6	< 10
4-methylcyclohexane-1,3-diamine	C, Xn	R22, 35, 43, 52/53	13897-55-7	< 5

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Harmful by inhalation, in contact with skin and if swallowed.
Causes severe burns.
Irritating to eyes and skin.
May cause sensitization by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification: Xn, C. R20/21/22, 35, 36/38, 43, 52/53.

4: FIRST AID MEASURES

Eyes:	Irrigate immediately with copious quantities of water for 15 minutes, Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention if irritation persists.
Skin:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible. Remove contaminated clothing. Obtain medical advice if skin disorder develop.
Inhalation:	Move to fresh air. Obtain medical attention if needed.
Ingestion:	Immediately give plenty of water (if possible charcoal slurry). If a person vomits when lying on his back, place him in a recovery position. Do not induce vomiting. Obtain medical advice.

5: FIRE FIGHTING MEASURES

Flash Point:	> 100°C.
Special Exposure Hazards:	Formation of toxic gases is possible during heating or in case of fire.
Extinguishing Media:	CO ₂ , extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Personal Protective Equipment:	Wear protective clothing and use self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Put on adequate protective equipment.
Environmental Precautions:	Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil.
Decontamination Procedures:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to local and national legislation. Ensure adequate ventilation.

7: HANDLING AND STORAGE

Handling:	Do not breathe vapour. Avoid contact with skin and eyes.
Storage:	Keep containers securely closed and dry, store at 15 - 25°C. Store only in the original container. Keep container tightly sealed.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingestion:	Prevent eating, drinking or smoking in the area of product use.
Eye Contact:	Safety glasses or chemical goggles.
Skin Contact:	Impervious gloves (e.g. PVC).
Inhalation:	When mist occurs during spraying operations, wear suitable respiratory protective equipment, Combination filter A-P2.
Respiratory Protection:	In case of insufficient ventilation, wear suitable equipment.
Engineering Controls:	Use only in well ventilated areas. Local exhaust ventilation is recommended.

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Thick liquid
Colour:	Light yellow
Odour:	Mild amines
Flash Point (closed cup) (°C):	> 100
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	1.55 – 1.65
Water Solubility:	Insoluble

10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Excessive heating. Direct sunshine should be avoided.
Chemical Incompatibility:	Acids, oxidizing agents.
Hazardous Decomposition Products:	Noxious fumes, carbon oxides, nitrogen oxides. Poisonous gases/vapours, Corrosive gases/vapours



11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 1000 mg/kg

Health Effects

On Eyes:	Strong caustic effect.
On Skin:	Caustic effect on skin and mucous membranes.
By Inhalation:	Irritant.
By Ingestion:	strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
Chronic:	Not applicable.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed off as intended, no adverse environmental effects are foreseen.
Mobility:	Hazardous for water.
Degradability:	Not applicable.
Bioaccumulation:	Not applicable.
Acute Fish Toxicity:	May cause long-term adverse effects in the aquatic environment.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product:	Dispose off through an authorized waste contractor to a licensed site.
Used/ Contaminated Product:	As for unused product.
Packaging:	May be steam cleaned and recycled.

14: TRANSPORT INFORMATION



UN/SI Number: 2289
 Transport Name: Isophoronediamine

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO	8	II	No
Air Transport	IATA/ICAO	8	II	
At land	RID/ADR	8	II	

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

C



Corrosive

Contains:

3-aminomethyl-3,5,5-trimethylcyclohexylamine.

Risk Phrases:

R20/21/22	Harmful by inhalation, in contact with skin and is swallowed.
R35	Causes severe burns.
R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of soap and water.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60	This material and its container must be disposed of as hazardous waste.

16: OTHER INFORMATION

Issue Date:

19/12/2013

Revised Date:

Disclaimer:

The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.