



Material SAFETY DATA SHEET

Keygrout H - Base

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Keygrout H - Base**

Description: Base component of High strength, polyester grout for anchoring and fixing

Manufacturer: **Don Construction Chemicals India LTD**
Tel. +914426185340/41/42
www.dcp-int.com

Date Prepared: 05.06.2013

MSDS Number: DCP-IND/03/04-H-B

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Resin, inert fillers.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Styrene, Monomer	Xn	R10, 20, 36/38	100-42-5	20-70
N,N-dimethylaniline	-	R23/24/25, 40, 51/53	121-69-7	> 15

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Flammable.
Harmful by inhalation.
Toxic by inhalation, in contact with skin and if swallowed.
Irritating to eyes and skin.
Limited evidence of carcinogenic effect.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification: Xn, R10, 20, 23/24/25, 36/38, 40, 51/53.



4: FIRST AID MEASURES

Eyes:	Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. If irritation or adverse symptoms develop seek medical attention.
Skin:	Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.
Inhalation:	If affected, remove individual to fresh air, if breathing is difficult, administer oxygen, if breathing has stopped, give artificial respiration, keep person warm, quiet, and get medical attention.
Ingestion:	Rinse mouth thoroughly. Do not induce vomiting, keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup):	Not applicable.
Extinguishing Media:	Carbon dioxide, powder, foam or water fog - Do not use water jets.
Personal Protective Equipment:	Wear self contained breathing apparatus with a full face-piece operated in the positive pressure demand mode when fighting fires.
Special Exposure Hazards:	Carbon Dioxide and carbon monoxide, various hydrocarbons.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Immediately issue NO SMOKING and NO NAKED FLAMES warnings. Wear suitable protective clothing, gloves and eye/face protection.
Environmental Precautions:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures:	Soak up with inert absorbent such as sand. Gather into labeled containers. Dispose off as applicable regulations.

7: HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Do not use near sources of ignition. Avoid breathing fumes. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep container tightly closed in a cool dry area away from sources of heat and out of direct sunlight to avoid pressure build up. Store in conformity with local fire regulations. Store away from sources of ignition.



8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection:	Safety glasses/goggles.						
Skin Protection:	Impervious gloves (e.g. PVC). Suitable protective clothing.						
Respiratory Protection:	In case of insufficient ventilation wear suitable respiratory equipment. (Class 1 respirator CE marked to EN 140, with EN 141/143, Type A1 filter.)						
Hygiene Measures:	Change contaminated clothing and clean before re-use.						
Engineering Controls:	Use only in well ventilated areas. Local exhaust ventilation is recommended.						
Exposure Guidelines:	<table><tr><td>OSHA</td><td>8 Hour TWA</td><td>STEL</td></tr><tr><td>Styrene</td><td>100 ppm (MEL)</td><td>250 ppm (MEL)</td></tr></table>	OSHA	8 Hour TWA	STEL	Styrene	100 ppm (MEL)	250 ppm (MEL)
OSHA	8 Hour TWA	STEL					
Styrene	100 ppm (MEL)	250 ppm (MEL)					

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Clear to cloudy
Odour:	Characteristic of styrene
pH (concentrate):	Not applicable
Boiling Point (°C):	Not applicable
Flash Point (closed cup) (°C):	Not applicable
Autoflammability (°C):	Not applicable
Explosive Properties (%):	Not Known
Relative Density (@25°C):	1.14
Water Solubility:	Insoluble

10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Any source of ignition. And temperatures above 35°C.
Chemical Incompatibility:	Strong acids. Strong alkalis. Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition yield oxides of carbon, toxic fumes.



11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Acute Oral effect LD50 > 5000 mg/kg.

Health Effects

On Eyes:	Irritating and may injure eye tissue if not removed promptly. Vapour may cause irritation.
On Skin:	Irritation.
By Inhalation:	Harmful by inhalation. Vapors may cause headaches, dizziness and central nervous system depression.
By Ingestion:	Severe irritation and symptoms similar to inhalation.
Chronic:	Repeated and prolonged skin contact may lead to skin disorders.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	May cause significant ecological damage in aquatic systems and must be used and disposed of in accordance with the recommendations made in this safety data sheet.
Mobility:	Volatile. Insoluble in water.
Degradability:	Not applicable.
Bioaccumulation:	Not applicable.
Acute Fish Toxicity:	Expected to be ecotoxic to fish/daphnia/algae.

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:	Contains flammable residues, do not crush or incinerate. Must be disposed off through an authorized waste contractor.

14: TRANSPORT INFORMATION



UN Number: 1866
 Transport Name: Resin solution, flammable.

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO/IMDG	3	III	Yes
Air Transport	IATA	3	III	
At land	RID/ADR	3	Item 31c	

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

Named Ingredients: Styrene
 UN Number: 1866
 Risk Phrases:

R10	Flammable.
R20	Harmful by inhalation.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R40	Limited evidence of carcinogenic effect.
R51/53	Toxic to aquatic organisms, may cause long-term adverse in the aquatic environment.

Safety Phrases:

S23	Do not breathe vapour/spray.
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16: OTHER INFORMATION

Issue Date:

05/06/2013

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.