



MATERIAL SAFETY DATA SHEET

EASY CLEAN EPOXY GROUT B COMPONENT

1. SUBSTANCE IDENTIFICATION

PRODUCT NAME: JOHNSON EASY CLEAN EPOXY GROUT - B Component

PRODUCT DETAILS: Filler component of a two part epoxy grout system

SUPPLIER: NORCROS ADHESIVES
Harewood Street
Tunstall
Stoke-on-Trent
Staffordshire
ST6 5JZ

Tel: 44 (0) 1782 524 140

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2. COMPOSITION AND COMPONENTS DATA

CHEMICAL

CHARACTERIZATION: Mixture of amidoamine, cycloaliphatic amine and benzyl alcohol.

NAME: CAS No/EINECS No:	SYMBOL:	R-PHRASES	WEIGHT %
3-aminomethyl-3,5,5-trimethylcyclohexylamine 2855-13-2	C	R21/22;R34;R43; R52/53	Oct-25
Tetraethylenepentamine 112-57-2	C; N	R21/22; R34; R43; R51/53	2.5 - 10
Benzyl alcohol 100-51-6	Xn	R20/22	Oct-25

3. HAZARDS IDENTIFICATION

CLASSIFICATION: Corrosive.

HAZARD IDENTIFICATION: R34 Causes burns
R43 May cause sensitization by skin contact.
R52/53 Harmful to aquatic organisms, may cause long adverse effects in the aquatic environment.



4. FIRST AID MEASURES

INHALATION:	Move patient to fresh air. Supplemental oxygen may be indicated. Prevent aspiration of vomit.
SKIN CONTACT:	DO NOT DELAY. Causes skin burns. Remove contaminated clothing. Instantly wash with water and soap and rinse thoroughly. If persistent irritation occurs, obtain medical attention.
EYE CONTACT:	DO NOT DELAY. Flush eye with water. If persistent irritation occurs, obtain medical attention.
INGESTION:	Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. If rapid recovery does not occur, consult a doctor.

5. FIRE FIGHTING MEASURES

UNSUITABLE EXTINGUISHING AGENTS:	Water in a jet.
SUITABLE EXTINGUISHING AGENTS:	Alcohol foam, dry chemical fog, CO ₂ , dry sand or limestone.
SPECIAL HAZARDS DURING FIRE FIGHTING:	May generate toxic nitrogen oxide gases. May generate ammonia gas. In case of fire, it can deliberate carbon monoxide (CO) if incomplete combustion occurs. Personnel in vicinity and downwind should be evacuated.
PROTECTIVE EQUIPMENT:	Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Avoid contact with skin, eyes, clothing. Wear protective clothing. Use only in well ventilated areas.
ENVIRONMENTAL PRECAUTIONS:	Do not allow the product to reach ground/soil. Prevent material from reaching sewage system, holes and cellars. Inform respective authorities in case product reaches water or sewage system.
CLEAN UP METHODS:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.
ADDITIONAL ADVICE:	See section 13 for information on disposal.



7. HANDLING AND STORAGE

HANDLING:	Avoid contact with skin, eyes and clothing. Use only in well ventilated areas. When using do not drink, eat or smoke.
STORAGE PRECAUTIONS:	Keep container tightly sealed and dry. Keep away from acids and oxidizers.
STORAGE TEMPERATURE:	Ambient.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

No further data; see item 7 MSDS.

PERSONAL PROTECTION: GENERAL PROTECTIVE AND HYGIENIC MEASURES:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of work. Avoid contact with the eyes and skin.
RESPIRATORY PROTECTION:	Not required under normal conditions in a well ventilated workplace.
HAND PROTECTION:	Nitrile rubber gloves/Butyl rubber gloves or Neoprene rubber gloves.(Impervious gloves)
EYE PROTECTION:	Chemical safety glasses.
SKIN AND BODY PROTECTION:	Standard issue work clothes. Long sleeved clothing.
GENERAL PROTECTIVE MEASURES:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of work. Wear protective clothing specified for normal operations.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	
FORM:	Paste
COLOUR:	red/yellow
SMELL:	Irritating, ammoniacal
MELTING POINT/RANGE:	Not determined
BOILING POINT/RANGE:	Not determined
FLASH POINT:	Not determined
SELF-INFLAMMABILITY:	Product is not self igniting.
DANGER OF EXPLOSION:	Product is not explosive.
DENSITY:	1.00g/ml (20oC)
SOLUBILITY IN WATER:	Insoluble.
VISCOSITY DYNAMIC:	100 Pas (23oC)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:	Not applicable.
MATERIALS TO AVOID:	Strong oxidising agents. Mineral acids. Organic acids. Sodium or calcium hypochloride. Product slowly corrodes copper, aluminium, zinc and galvanised surfaces.
HAZARDOUS DECOMPOSITION PRODUCTS:	Are not expected to form during normal storage.
HAZARDOUS REACTIONS:	Nitric acid, nitrogen oxide, ammonia, carbon monoxide, carbon dioxide. Nitosamines. Reacts with strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY:	Expected to be of low toxicity, LD50>2000mg/kg.
ACUTE DERMAL TOXICITY:	Expected to be of low toxicity, LD50>2000mg/kg.
EYE IRRITATION:	Expected to be strongly irritant.
SKIN IRRITATION:	Expected to be strongly irritant.
SENSITIZATION:	Expected to be a skin sensitizer.
MUTAGENICITY:	Not considered to be a mutagenic hazard.
BASIS FOR ASSESSMENT:	Information given is based on data on the components and the toxicology of similar products.

12. ECOLOGICAL INFORMATION

Elimination information.	
BIODEGRADABILITY:	Expected to be not readily biodegradable.
BIOACCUMULATION:	Has the potential to bioaccumulate.
Ecotoxicity effects.	
TOXICITY TO FISH:	No data available.
TOXICITY TO ALGAE:	No data available.
ACUTE TOXICITY - INVERTEBRATES:	No data available.
MOBILITY:	No data available.
SEWAGE TREATMENT:	Expected to be non-toxic, LC/EC/IC 50>100mg/l.
BASIS FOR ASSESSMENT:	Information given is based on data on the components and the toxicology of similar products.

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL:	Recover or recycle if possible. Otherwise: incineration. Dispose to licensed disposal contractor.
CONTAINER DISPOSAL:	Drain container thoroughly. Rinse with suitable solvent. Treat rinsings as for product disposal.
RECOMMENDATION:	Must not be disposed of together with household waste Do not allow product to reach sewage system. Disposal must be made according to official regulations

14. TRANSPORT INFORMATION

ADR/RID

UN-NUMBER: 2735
CLASS: 8
PACKAGING GROUP: III
LABELLING No: 8
DESCRIPTION OF GOODS: Polyamines, liquid, corrosive, n.o.s. isophoronediamine

IMDG

UN-NUMBER: 2735
CLASS: 8
PACKAGING GROUP: III
LABELLING No: 8
DESCRIPTION OF GOODS: Polyamines, liquid, corrosive, n.o.s. isophoronediamine
MARINE POLLUTANT: Yes

ICAO/IATA-DGR

UN-NUMBER: 2735
CLASS: 8
PACKAGING GROUP: III
LABELLING No: 8
DESCRIPTION OF GOODS: Polyamines, liquid, corrosive, n.o.s. isophoronediamine

15. REGULATORY INFORMATION

DESIGNATION ACCORDING TO EC DIRECTIVE: 3-aminomethyl-3,5-trimethylcyclohexylamine.
Tetraethylenepentamine
CODE LETTER AND HAZARD DESIGNATION: C Corrosive
RISK PHRASES: R34 Causes burns
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: S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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)
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
WATER HAZARD CLASS: 1 (Self-assessment: slightly hazardous for water.)

16. OTHER INFORMATION

The data is based on our present knowledge. However they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

REVISION COMMENTS:

REVISION DATE:

PRINTING DATE: Aug-05