



MATERIAL SAFETY DATA SHEET

EASY CLEAN EPOXY GROUT A COMPONENT

1. SUBSTANCE IDENTIFICATION

PRODUCT NAME: JOHNSON EASY CLEAN EPOXY GROUT - A Component

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

SUPPLIER: NORCROS ADHESIVES
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2. COMPOSITION AND COMPONENTS DATA

NAME: CAS No EINECS No:	SYMBOL:	R-PHRASES	WEIGHT %
Bisphenol A-(epichlorhydrin); Epoxy resin (number molecular wt <700) 25068-38-6	Xi;N	R36/38;R43; R51/53	2.5-10
Bisphenol F - (epichlorhydrin); Epoxy resin (number molecular wt <700) 28064-14-4	Xi;N	R36/38;R43; R51/53	2.5-10
C10-C16 Alkylglycidyl ether	Xi;N	R36/38;R43; R51/53	0-2.5

3. HAZARDS IDENTIFICATION

HAZARD IDENTIFICATION: Xi Irritant
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



4. FIRST AID MEASURES

INHALATION:	No specific measures.
SKIN CONTACT:	DO NOT DELAY. Remove contaminated clothing. Instantly wash with water & soap & 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:	Do not induce vomiting. If rapid recovery does not occur, consult a doctor.
Notes to physician:	Irritation to eyes & skin. If skin sensitization has developed, further exposure should not be allowed.

5. FIRE FIGHTING MEASURES

UNSUITABLE EXTINGUISHING AGENTS:	Water in a jet.
SUITABLE EXTINGUISHING AGENTS:	Foam, water spray, fog, CO ₂ .
SPECIAL HAZARDS DURING FIRE FIGHTING:	Not classified as flammable but will burn. In case of fire, it can liberate carbon monoxide (CO) if incomplete combustion occurs.
PROTECTIVE EQUIPMENT:	Wear full protective clothing & self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Avoid contact with skin, eyes, clothing. Wear protective clothing.
ENVIRONMENTAL PRECAUTIONS:	Do not allow the product to reach ground/soil. Prevent material from reaching sewage system. 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.
STORAGE PRECAUTIONS:	Keep container tightly sealed and dry.
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 eyes and skin.
RESPIRATORY PROTECTION:	Not required.
HAND PROTECTION:	Nitrile rubber gloves. Butyl rubber gloves.
EYE PROTECTION:	Monogoggles
SKIN AND BODY PROTECTION:	Standard issue work clothes.
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:	According to product specification
SMELL:	Weak
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:	1.72g/ml (20 deg C)
SOLUBILITY IN WATER:	Insoluble
VISCOSITY DYNAMIC:	1600 Pas (23 deg C)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:	Caustic soda can induce vigorous polymerization around 200 deg C
MATERIALS TO AVOID:	Strong oxidising agents. Caustic soda
HAZARDOUS DECOMPOSITION PRODUCTS:	Are not expected to form during normal storage
HAZARDOUS REACTIONS:	Stable under normal use conditions. Reacts with strong oxidising agents. Polymerizes exothermically with amines, mercaptanes, Lewis acids, caustic soda.



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 slightly irritant
SKIN IRRITATION:	Expected to be slightly 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.

LD/LC50 values that are relevant for classification:

25068-38-6 bisphenol A - (epichlorhydrin); epoxy resin
(number average molecular weight < 700)

ORAL: LD50: 11400 mg/kg (Rat)

DERMAL: LD/LC50: >2000mg/kg (Rbt)

28064-14-4 bisphenol F - (epichlorhydrin); epoxy resin
(number average molecular weight < 700)

ORAL: LD50: 12000 mg/kg (Rat)

12. ECOLOGICAL INFORMATION

Elimination information:

BIODEGRADABILITY:	Expected to be not readily biodegradable
BIOACCUMULATION:	Has the potential to bioaccumulate

Ecotoxicity effects:

TOXICITY TO FISH:	Expected to be very toxic LC/EC/IC 50?1 mg/l
TOXICITY TO ALGAE:	Expected to be very toxic LC/EC/IC 50?1 mg/l
ACUTE TOXICITY - INVERTEBRATES:	Expected to be toxic, 1< LC/EC/IC 50?10 mg/l
MOBILITY:	Sinks in water
SEWAGE TREATMENT:	Expected to be non-toxic, LC/EC 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: 3082
CLASS: 9
CLASSIFICATION CODE: M6
PACKAGING GROUP: III
LABELLING No: 9
RISK No. 90
DESCRIPTION OF GOODS: Environmentally hazardous substance, liquid epoxy resin, aliphatic glycidyl ether.

IMDG
UN-NUMBER: 3082
CLASS: 9
PACKAGING GROUP: III
LABELLING No: 9
DESCRIPTION OF GOODS Environmentally hazardous substance, liquid epoxy resin, aliphatic glycidyl ether.
MARINE POLLUTANT: Yes

ICAO/IATA-DGR
UN-NUMBER: 3082
CLASS: 9
PACKAGING GROUP: III
LABELLING GROUP: 9
DESCRIPTION OF GOODS: Environmentally hazardous substance, liquid epoxy resin, aliphatic glycidyl ether.

15. REGULATORY INFORMATION

DESIGNATION ACCORDING TO EC DIRECTIVE: Epoxy resin (number average molecular weight <700)
CLASSIFICATION: Irritant
SYMBOLS: Xi Irritant
RISK PHRASES: 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 Avoid contact with skin.
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 water.
S37/39 Wear suitable gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WATER HAZARD CLASS: 2 (self assessment): 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