1. PRODUCT AND COMPANY IDENTIFICATION

Product Code SGD63NA

Product Name Sikagard 63 N Part A

Product Description 2-component chemical resistant protective coating based on epoxy resin.

Manufacturer/Supplier

Sika Limited
Watchmead
Welwyn Garden City
Hertfordshire.
AL7 1BQ
tel. 01707 394444
Fax. 01707 329129

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Preparation - Hazardous ingredients (Europe)

Component	CAS/EINECS	Concentration	Classification	Risk Phrases
Epoxy Resin (MW < 700), Novolac	28064-14-4	25.00% - 50.00%	Xi, N	R36/38, R43, R51/53
Epoxy resin; Bisphenol F (No.Av. mol.wt. < 700)	9003-36-5	2.50% - 10.00%	Xi, N	R36/38, R43, R51/53
1,1,1-tris(hydroxymethyl)propane triglycidyl ether	30499-70-8	10.00% - 25.00%	Xi	R36/38, R43, R52/53
Benzyl Alcohol	100-51-6	2.50% - 10.00%	Xn	R20/22
Solvent Naptha (Petroleum),Light Aromatic.	64742-95-6	0.10% - 1.00%	Xn, N	R10, R37, R51/53, R65, R66, R67

3. HAZARD IDENTIFICATION

Main Hazards Irritating to eyes and skin.
May cause sensitisation by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Eye Contact Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open.
Obtain medical attention urgently.

Skin Contact Wipe off as much as possible with a clean dry cloth. Wash skin thoroughly with soap and water.
If material proves difficult to remove, use suitable skin cleanser (not solvent).
Solvents should not be used to clean skin because they may increase the penetration of the material.
Obtain medical attention if blistering occurs or redness persists.

Ingestion Do not induce vomiting. Wash out mouth with water.
Obtain medical attention.

Inhalation Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure,obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical or carbon dioxide.
Extinguishing Media - Not suitable	Do not use water jet.
Special Hazards of Product	Combustion will produce smoke,carbon dioxide and carbon monoxide.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective clothing.
Environmental Precautions and Clean-up Methods	Try to prevent the material from entering drains or water courses.
Spillages	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling	Use in well ventilated area. Avoid contact with eyes, skin and clothing.
Storage	Storage area should be: cool. dry. Storage temperature should be controlled to between 5 and 25 °C. Store in the original container securely closed . Keep away from foodstuffs

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Control Measures	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
Respiratory Protection	Respiratory protection not normally required.
Hand Protection	Wear suitable impervious gloves. (butyl / nitrile type)
Eye Protection	Chemical goggles if there is a risk of splashing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Paste.
Color	Dark Red/ Dark Green.
Odor	Characteristic.
Flash Point °C	115
Solubility - Water	Immiscible.
Density (kg/m3)	Approx. 1520 at 20 °C.
Viscosity (at 20°C)	Approx. 5,000 (measured as mPa.s)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous Decomposition Products	Combustion will generate: oxides of carbon. acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Low order of acute toxicity.
Eye irritation	Irritating to the eyes.
Skin irritation	May cause sensitisation.
Sensitization - Skin	The low molecular weight epoxy resin is a potential skin sensitiser.

12. ECOLOGICAL INFORMATION

Mobility	The product is insoluble in water.
Persistence/degradability	The product is expected to be not readily biodegradable.
Ecotoxicity	This material is harmful to aquatic organisms.

13. DISPOSAL

Product Disposal	Hazardous waste. Arrange for disposal via a licensed waste contractor.
Container Disposal	Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

14. TRANSPORT INFORMATION

ADR/RID : Number	3082
ADR/RID : Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. Contains:Epoxy Resin
ADR/RID : Class	9
ADR/RID : Item Number	11(c) Class M6
IMDG : Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. contains Epoxy Resin
IMDG : Packing Group	3
IMDG : Class	9
IMDG : Ems Number	F-A, S-F
IATA : Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. Contains Epoxy resin
IATA : Packing Group	3
IATA : Class	9

15. REGULATORY INFORMATION

Label Requirements	Irritant, Dangerous for the environment
	
Risk Phrases	Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases	Avoid contact with skin. Wear suitable gloves. Contains epoxy constituents. See information supplied by the manufacturer.
Contains	Epoxy resin (mw < 700), novolac Reaction product: bisphenol F-(epichlorhydrin) epoxy resin (no av mol wt <= 700) 1,1,1-tris(hydroxymethyl)propane triglycidyl ether

16. OTHER INFORMATION

First Issue Date	02.04.1998
Revisions Highlighted	Composition and Information on Ingredients
Uses and Restrictions	Customers are urged to ensure that the product is entirely suitable for their own purpose.It is the customer`s responsibilty to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.
UK Legislation	Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions. SI 2002/1689: Chemicals (Hazard Information and Packaging) Regulations, 2002. SI 2002/2677: The Control of Substances Hazardous to Health Regulations SI No 2839 1991 Environmental Protection (Duty of Care) Regulations. SI 2005/ 894 Hazardous waste regulations 2005
UK Guidance Publications	Approved Code of Practice - Management of Health and Safety at Work, HSE. General Approved Code of Practice to COSHH Regulations, HSE.
Footnote	The information contained in this SDS corresponds to our level of knowledge at the time of publication.All warranties are excluded.Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to use.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code SGD63NB

Product Name Sikagard 63 N Part B

Product Description 2-component chemical resistant protective coating based on epoxy resin.

Manufacturer/Supplier

Sika Limited
Watchmead
Welwyn Garden City
Hertfordshire.
AL7 1BQ
tel. 01707 394444
Fax. 01707 329129

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Preparation - Hazardous ingredients (Europe)

Component	CAS/EINECS	Concentration	Classification	Risk Phrases
Isophoronediamine	2855-13-2	25.00% - 50.00%	C	R21/22, R34, R43, R52/53
M-phenylebis(methylamine)	1477-55-0	25.00% - 50.00%	C	R20/22, R35, R43, R52/53
Benzyl Alcohol	100-51-6	10.00% - 25.00%	Xn	R20/22
2,4,6-Tri(dimethylaminomethyl) phenol	90-72-2	1.00% - 2.50%	Xn	R22, R36/38

3. HAZARD IDENTIFICATION

Main Hazards

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

4. FIRST AID MEASURES

Eye Contact

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open.
Eyelids should be held away from the eyeball to ensure thorough rinsing.
Obtain medical attention urgently.

Skin Contact

Wipe off as much as possible with a clean dry cloth. Wash skin thoroughly with soap and water.
If material proves difficult to remove, use suitable skin cleanser (not solvent).
Solvents should not be used to clean skin because they may increase the penetration of the material.
Obtain medical attention if blistering occurs or redness persists.
Contaminated clothing should be washed or dry-cleaned before re-use.

Ingestion

Do not induce vomiting.
Obtain medical attention.

Inhalation

Remove from exposure.
In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure,obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Not readily combustible. Use foam, dry chemical or carbon dioxide.
Extinguishing Media - Not suitable	Do not use water jet.
Special Hazards of Product	Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases and vapours.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective clothing.
Environmental Precautions and Clean-up Methods	Try to prevent the material from entering drains or water courses.
Spillages	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling	Mix in a well ventilated area. Avoid contact with eyes, skin and clothing.
Storage	Storage area should be: cool. dry. Storage temperature should be controlled to between 5 and 25 °C. Store in the original container securely closed . Keep away from foodstuffs

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Control Measures	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
Respiratory Protection	Respiratory protection not normally required.
Hand Protection	Wear suitable impervious gloves. (butyl / nitrile type) The insides of gloves must be kept scrupulously clean.
Eye Protection	Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Color	Colorless.
Odor	Ammoniacal.
Flash Point °C	Exceeds 100.
Solubility - Water	Miscible.
Density (kg/m3)	Approx. 1100 at 20 °C.
Viscosity (at 20°C)	Mobile liquid at ambient temperatures.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous Decomposition Products	Heating may produce: ammonia. oxides of carbon. oxides of nitrogen. acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Low order of acute toxicity.
Eye irritation	This material is corrosive to the eye.
Skin irritation	This material is corrosive to the skin.
Sensitization - Skin	The possibility of allergic sensitisation should be considered

12. ECOLOGICAL INFORMATION

Mobility	Dispersible in water.
Persistence/degradability	The product is expected to be not readily biodegradable.
Ecotoxicity	This material is harmful to aquatic organisms.

13. DISPOSAL

Product Disposal	Hazardous waste. Arrange for disposal via a licensed waste contractor.
Container Disposal	Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

14. TRANSPORT INFORMATION

UN :	***UN number***	1760
UN :	***Proper shipping name***	Corrosive liquid, n.o.s.
UN :	***Class***	8
UN :	***Packing Group***	2
ADR/RID :	***Number***	1760
ADR/RID :	***Proper shipping name***	Corrosive liquid, n.o.s. Contains : Isophoronediamine, Xylylenediamine.
ADR/RID :	***Class***	8
ADR/RID :	***Item Number***	66(c) Class C9
IMDG :	***Proper shipping name***	Corrosive liquid, N.O.S. contains Isophoronediamine, Xylylenediamine
IMDG :	***Packing Group***	2
IMDG :	***Class***	8
IMDG :	***Ems Number***	F-A, S-B
IATA :	***Proper shipping name***	Corrosive liquid, N.O.S. Contains:Isophoronediamine, Xylylenediamine
IATA :	***Packing Group***	2
IATA :	***Class***	8

15. REGULATORY INFORMATION

Label Requirements	Corrosive, Dangerous for the environment
	
Risk Phrases	Causes severe burns. May cause sensitisation by skin contact. Harmful by inhalation, in contact with skin and if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases	Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Contains	3-aminomethyl-3,5,5-trimethylcyclohexylamine M-phenylebis(methylamine)

16. OTHER INFORMATION

First Issue Date	02.04.1998
Revisions Highlighted	Composition and Information on Ingredients Transport Information Regulatory information
Uses and Restrictions	Customers are urged to ensure that the product is entirely suitable for their own purpose.It is the customer`s responsibilty to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.
UK Legislation	Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions. SI 2002/1689: Chemicals (Hazard Information and Packaging) Regulations SI 2002/2677: The Control of Substances Hazardous to Health Regulations SI No 2839 1991 Environmental Protection (Duty of Care) Regulations. SI 2005/ 894 Hazardous waste regulations 2005
UK Guidance Publications	Approved Code of Practice - Management of Health and Safety at Work, HSE. General Approved Code of Practice to COSHH Regulations, HSE.
Footnote	The information contained in this SDS corresponds to our level of knowledge at the time of publication.All warranties are excluded.Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to use.