



Chemical Manufacturing Co. Ltd.

C.O.S.H.H. PACK

**STRUCTURAL
WATERPROOFING**

SECTION 3 :

STRUCTURAL WATERPROOFING.

CEMENTITIOUS.

- T.T55 SLURRY
- FILLET SEAL
- T.T.M.E. ELASTIFIER
- QUICK SET
- TRITON SBR

EPOXY.

- TRISEAL
- TRIMOL 41

BITUMEN.

- BITUMEN EMULSION



Irritant

Triton Chemical Manufacturing Co. Ltd


129 Felixstowe Road, Abbeywood, London SE2 9SG

Telephone: 020 8310 3929

MSDS Ref: TR020 83120149 Publication date

Revision date

312

05/09/97

17/02/04

1. PRODUCT NAME: TRITON TT55 Tanking Slurry
2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Ordinary Portland cement	65997-15-1		53	Xi (Irritant)	See section 15

Also contains silica flour, silica sand and other additives

3. HAZARD IDENTIFICATION


Irritant

Irritating to the skin
 Risk of serious damage to eyes
 May cause sensitisation by skin contact

4. FIRST AID

CONTACT WITH SKIN	Wash off with plenty of soap and water. Remove contaminated clothing.
CONTACT WITH EYES	Wash out with water for at least 15 minutes and seek medical advice without delay.
INGESTION	Wash out mouth with water and give plenty of water to drink. DO NOT INDUCE VOMITING.
INHALATION	Remove to fresh air. If nose or airways become inflamed, seek medical advice.
OTHER INFORMATION	Until the mixture has set, may cause both irritant and allergic contact dermatitis.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	As appropriate to surrounding fire
SPECIAL PROTECTIVE EQUIPMENT	No particular requirement

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing appropriate to the amount involved which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear and overalls, particularly during mixing operations.
ENVIRONMENTAL PRECAUTIONS	Contain the spillage and keep children away from the area.
CLEAN-UP PROCEDURES	Recover the spilt material in a dry state if possible. Minimise generation of airborne dust.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS	Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8.
STORAGE INFORMATION	Keep containers tightly closed in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



When handling or mixing the product, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves.
Wash hands and exposed skin before meals and after work.
Do not wear contaminated clothing.

EXPOSURE LIMITS Occupational exposure standard (8h TWA):
10mg/m³ total inhalable dust, 5mg/m³ respirable dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey powder	Oxidising properties	None
Odour	None	Vapour pressure	Not relevant
pH	11, when wet.	Relative density	Not relevant
Boiling point	Not relevant	Bulk density	1300 kg/m ³
Melting point	Not relevant	Viscosity	Not relevant
Flash point	None	Solubility	Very slightly soluble in water
Autoignition temperature	Not combustible	Partition coefficient	Not relevant
Explosive properties	None	Other data	

10. STABILITY/REACTIVITY

STABILITY	Stable under normal conditions of use.
CONDITIONS TO AVOID	Damp (degrades product).
MATERIALS TO AVOID	No particular requirements.

11. TOXICOLOGICAL INFORMATION

Severe eye irritant. Irritating to skin – the powder or its mixture with water may cause irritant dermatitis or burns, and traces of hexavalent chromium in the product may cause allergic dermatitis. Ingestion of small amounts is unlikely to cause any significant reaction, but large doses may result in irritation to the gastro intestinal tract.

12. ECOLOGICAL INFORMATION

MOBILITY	Not mobile in soil.
DEGRADABILITY	Relatively inert.
ACCUMULATION	No potential for bioaccumulation or biomagnification.
ECOTOXICITY	Addition of cement-based products to water may cause the pH to rise, and they may therefore be toxic to aquatic life in some circumstances.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT	Dispose of in accordance with local and national regulations (normally landfill), or to any place authorised to accept builders waste.
DISPOSAL OF PACKAGING	Packaging should be treated as for the product, or may be incinerated.

14. TRANSPORT INFORMATION

UN NO.	None assigned
PROPER SHIPPING NAME	Portland cement mixture
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous
ICAO/IATA	Not classified as hazardous
PACKING GROUP	
LABEL	No hazard label

15. REGULATION INFORMATION

CLASSIFICATION Irritant

LABEL INFORMATION:

IRRITATING TO THE SKIN

RISK OF SERIOUS DAMAGE TO THE EYES

MAY CAUSE SENSITISATION BY SKIN CONTACT

DO NOT BREATHE DUST

AVOID CONTACT WITH THE SKIN

READ ALL PRECAUTIONS BEFORE USE

The (COSHH) Control of Substances Hazardous to Health Regulations 1988 may apply to the use of this product at work. Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment.

WEAR SUITABLE PROTECTIVE CLOTHING, gloves and eye/face protection.

IN CASE OF CONTACT WITH EYES rinse immediately with plenty of water and seek medical advice.

AFTER CONTACT WITH SKIN, wash immediately with plenty of clean water.

KEEP OUT OF REACH OF CHILDREN.

Refer to other relevant legislation such as the Health and Safety at Work etc Act (HSWA), THE Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

16. OTHER INFORMATION

The information contained in this data sheet is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.



Irritant

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Telephone: 020 8310 3929

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30/09/2002

17/02/04

1. PRODUCT NAME: TRITON FILLET SEAL
2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Ordinary Portland cement	65997-15-1		25	Xi (Irritant)	See section 15

Also contains silica flour, silica sand and other additives

3. HAZARD IDENTIFICATION


Irritant

Irritating to the skin
 Risk of serious damage to eyes
 May cause sensitisation by skin contact

4. FIRST AID

CONTACT WITH SKIN	Wash off with plenty of soap and water. Remove contaminated clothing.
CONTACT WITH EYES	Wash out with water for at least 15 minutes and seek medical advice without delay.
INGESTION	Wash out mouth with water and give plenty of water to drink. DO NOT INDUCE VOMITING.
INHALATION	Remove to fresh air. If nose or airways become inflamed, seek medical advice.
OTHER INFORMATION	Until the mixture has set, may cause both irritant and allergic contact dermatitis.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	As appropriate to surrounding fire
SPECIAL PROTECTIVE EQUIPMENT	No particular requirement

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing appropriate to the amount involved which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear and overalls, particularly during mixing operations.
ENVIRONMENTAL PRECAUTIONS	Contain the spillage and keep children away from the area.
CLEAN-UP PROCEDURES	Recover the spilt material in a dry state if possible. Minimise generation of airborne dust.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS	Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8.
STORAGE INFORMATION	Keep containers tightly closed in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



When handling or mixing the product, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves.
Wash hands and exposed skin before meals and after work.
Do not wear contaminated clothing.



EXPOSURE LIMITS Occupational exposure standard (8h TWA):
10mg/m³ total inhalable dust, 5mg/m³ respirable dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey powder	Oxidising properties	None
Odour	None	Vapour pressure	Not relevant
pH	11, when wet.	Relative density	Not relevant
Boiling point	Not relevant	Bulk density	1300 kg/m ³
Melting point	Not relevant	Viscosity	Not relevant
Flash point	None	Solubility	Very slightly soluble in water
Autoignition temperature	Not combustible	Partition coefficient	Not relevant
Explosive properties	None	Other data	

10. STABILITY/REACTIVITY

STABILITY	Stable under normal conditions of use.
CONDITIONS TO AVOID	Damp (degrades product).
MATERIALS TO AVOID	No particular requirements.

11. TOXICOLOGICAL INFORMATION

Severe eye irritant. Irritating to skin – the powder or its mixture with water may cause irritant dermatitis or burns, and traces of hexavalent chromium in the product may cause allergic dermatitis. Ingestion of small amounts is unlikely to cause any significant reaction, but large doses may result in irritation to the gastro intestinal tract.

12. ECOLOGICAL INFORMATION

MOBILITY	Not mobile in soil.
DEGRADABILITY	Relatively inert.
ACCUMULATION	No potential for bioaccumulation or biomagnification.
ECOTOXICITY	Addition of cement-based products to water may cause the pH to rise, and they may therefore be toxic to aquatic life in some circumstances.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT	Dispose of in accordance with local and national regulations (normally landfill), or to any place authorised to accept builders waste.
DISPOSAL OF PACKAGING	Packaging should be treated as for the product, or may be incinerated.

14. TRANSPORT INFORMATION

UN NO.	None assigned
PROPER SHIPPING NAME	Portland cement mixture
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous
ICAO/IATA	Not classified as hazardous
PACKING GROUP	
LABEL	No hazard label



Not classified as hazardous

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05/09/97



1. PRODUCT NAME: **TTME (TRITON TANKING MIX ELASTIFIER)**

2. COMPOSITION

An approximately 50% aqueous dispersion of n-butyl acrylate/styrene copolymer

3. HAZARD IDENTIFICATION



Not classified as hazardous for supply or transport

4. FIRST AID

CONTACT WITH SKIN

Wash off with plenty of soap and water. Remove contaminated clothing.

CONTACT WITH EYES

Wash out with water for at least 15 minutes and seek medical advice.

INGESTION

Wash out mouth with water and give plenty of water to drink. Seek medical advice.

INHALATION

Remove to fresh air. Keep warm and at rest.

OTHER INFORMATION

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA As appropriate to surrounding fire

SPECIAL PROTECTIVE EQUIPMENT No particular requirement

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear suitable protective clothing appropriate to the amount involved which may include eye/face protection and PVC or synthetic rubber gloves.

ENVIRONMENTAL PRECAUTIONS

Contain the spillage. Avoid large amounts entering water courses. (cont'd)

6. ACCIDENTAL RELEASE MEASURES (cont'd.)

CLEAN-UP PROCEDURES

Large spillages should be pumped into containers, soak up remainder with dry sand or earth. Small spillages may be washed down with water, if waste water is disposed of correctly.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Observe normal industrial hygiene standards.

STORAGE INFORMATION

Keep containers tightly closed in a cool place. Protect from frost.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



When handling or mixing the product, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves.

Wash hands and exposed skin before meals and after work.

Do not wear contaminated clothing.



EXPOSURE LIMITS Refer to the current edition of HSE Guidance Note EH40 (Occupational exposure limits). The following may be present in the product: n-butyl acrylate [141-32-2], styrene [100-42-5], ethylbenzene [100-41-4], acrylamide [79-06-1] and formaldehyde [50-00-0].

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White liquid	Oxidising properties	None
Odour	Faint	Vapour pressure	23 mbar (water)
pH	8	Relative density	1.03 at 20°C
Boiling point	About 100°C (water)	Bulk density	Not relevant
Melting point	About 0°C (water)	Viscosity	200mPa at 23°C
Flash point	None	Solubility	Miscible with water
Autoignition temperature	Not combustible	Partition coefficient	Not relevant
Explosive properties	None	Other data	

10. STABILITY/REACTIVITY

STABILITY

Stable under normal conditions of use.

CONDITIONS TO AVOID

Frost.

MATERIALS TO AVOID

No particular requirements.

11. TOXICOLOGICAL INFORMATION

Not harmful to health if handled correctly according to the given recommendations.

12. ECOLOGICAL INFORMATION

MOBILITY	Low mobility in the soil – binds to soil particles.
DEGRADABILITY	Eliminated from water by abiotic processes, eg adsorption onto activated sludge
ACCUMULATION	No potential for bioaccumulation or biomagnification.
ECOTOXICITY	Do not discharge to natural waters without pretreatment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT	Dispose of in accordance with local and national regulations (normally by incineration).
DISPOSAL OF PACKAGING	Packaging should be treated as for the product.

14. TRANSPORT INFORMATION

UN NO.	None assigned
PROPER SHIPPING NAME	Aqueous copolymer suspension
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous
ICAO/IATA	Not classified as hazardous
PACKING GROUP	
LABEL	No hazard label

15. REGULATION INFORMATION

CLASSIFICATION Not classified as hazardous

LABEL INFORMATION:

WEAR GLOVES AND EYE PROTECTION. WASH HANDS AND EXPOSED SKIN AFTER USE.

Refer to other relevant legislation such as the Health and Safety at Work etc Act (HSWA), THE Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

16. OTHER INFORMATION

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The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.



Irritant

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MSDS Ref: TR
314Publication date
23/02/01Revision date
17/02/041. PRODUCT NAME: **TRITON QUICK SET (T.Q.S)**

2. COMPOSITION

Hazardous ingredient	CAS No.	Weight %	Symbols	Risk Phrases
Rapid Hardening Portland cement		<50	Xi (Irritant)	See section 15
Calcium Aluminate Cement		<30	Xi (Irritant)	

Also contains silica sand and other additives

3. HAZARD IDENTIFICATION



Irritant

Irritating to the skin
 Risk of serious damage to eyes
 May cause sensitisation by skin contact

4. FIRST AID

CONTACT WITH SKIN	Wash off with plenty of soap and water. Remove contaminated clothing.
CONTACT WITH EYES	Wash out with water for at least 15 minutes and seek medical advice without delay.
INGESTION	Wash out mouth with water and give plenty of water to drink. DO NOT INDUCE VOMITING.
INHALATION	Remove to fresh air. If nose or airways become inflamed, seek medical advice.
OTHER INFORMATION	Until the mixture has set, may cause both irritant and allergic contact dermatitis.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	As appropriate to surrounding fire
SPECIAL PROTECTIVE EQUIPMENT	No particular requirement

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing appropriate to the amount involved which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear and overalls, particularly during mixing operations.
ENVIRONMENTAL PRECAUTIONS	Contain the spillage and keep children away from the area.
CLEAN-UP PROCEDURES	Recover the spilt material in a dry state if possible. Minimise generation of airborne dust.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS	Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8.
STORAGE INFORMATION	Keep containers tightly closed in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



When handling or mixing the product, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves.
Wash hands and exposed skin before meals and after work.
Do not wear contaminated clothing.

EXPOSURE LIMITS Occupational exposure standard (8h TWA):
10mg/m³ total inhalable dust, 5mg/m³ respirable dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey powder	Oxidising properties	None
Odour	None	Vapour pressure	Not relevant
pH	11, when wet.	Relative density	Not relevant
Boiling point	Not relevant	Bulk density	1300 kg/m ³
Melting point	Not relevant	Viscosity	Not relevant
Flash point	None	Solubility	Very slightly soluble in water
Autoignition temperature	Not combustible	Partition coefficient	Not relevant
Explosive properties	None	Other data	

10. STABILITY/REACTIVITY

REACTIVITY	Sets rapidly when mixed with water, large amounts will also heat up after mixing
STABILITY	Stable under normal conditions of use.
CONDITIONS TO AVOID	Damp (degrades product).
MATERIALS TO AVOID	No particular requirements.

11. TOXICOLOGICAL INFORMATION

Severe eye irritant. Irritating to skin – the powder or its mixture with water may cause irritant dermatitis or burns, and traces of hexavalent chromium in the product may cause allergic dermatitis. Ingestion of small amounts is unlikely to cause any significant reaction, but large doses may result in irritation to the gastrointestinal tract.

12. ECOLOGICAL INFORMATION

MOBILITY	Not mobile in soil.
DEGRADABILITY	Relatively inert.
ACCUMULATION	No potential for bioaccumulation or biomagnification.
ECOTOXICITY	Addition of cement-based products to water may cause the pH to rise, and they may therefore be toxic to aquatic life in some circumstances.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT	Dispose of in accordance with local and national regulations (normally landfill), or to any place authorised to accept builders waste.
DISPOSAL OF PACKAGING	Packaging should be treated as for the product, or may be incinerated.

14. TRANSPORT INFORMATION

UN NO.	None assigned
PROPER SHIPPING NAME	Portland cement mixture
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous
ICAO/IATA	Not classified as hazardous
PACKING GROUP	
LABEL	No hazard label

15. REGULATION INFORMATION

CLASSIFICATION Irritant

LABEL INFORMATION:

IRRITATING TO THE SKIN

RISK OF SERIOUS DAMAGE TO THE EYES

MAY CAUSE SENSITISATION BY SKIN CONTACT

DO NOT BREATHE DUST

AVOID CONTACT WITH THE SKIN

READ ALL PRECAUTIONS BEFORE USE

The (COSHH) Control of Substances Hazardous to Health Regulations 1988 may apply to the use of this product at work. Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment.

WEAR SUITABLE PROTECTIVE CLOTHING, gloves and eye/face protection.

IN CASE OF CONTACT WITH EYES rinse immediately with plenty of water and seek medical advice.

AFTER CONTACT WITH SKIN, wash immediately with plenty of clean water.

KEEP OUT OF REACH OF CHILDREN.

Refer to other relevant legislation such as the Health and Safety at Work etc Act (HSWA), THE Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

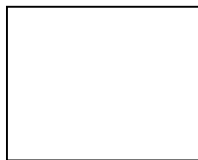
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16. OTHER INFORMATION

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The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.



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Not Classified
as Hazardous

MSDS Ref: TR

Publication date
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1. PRODUCT NAME: **TRITON SBR**

2. COMPOSITION Styrene/butadiene polymer dispersion in water

3. HAZARD IDENTIFICATION This product is not hazardous according to EEC criteria.

4. FIRST AID MEASURES

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

SWALLOWING No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

EYES Irrigate immediately with water for at least 5 minutes,

INHALATION No adverse effects anticipated by this route of exposure.

SKIN Wash off in flowing water or shower.

5. FIRE-FIGHTING MEASURES

This product is an aqueous dispersion, unless dried it will not burn.

EXTINGUISHING MEDIA Water fog, Carbon Dioxide, Foam, Dry Chemicals.

HAZARDOUS COMBUSTION PRODUCTS Upon burning, the dry product generates dense black smoke.

PROTECTION OF FIREFIGHTERS Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing, (includes fire fighting helmet, coat, pants, boots and gloves).

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Wear adequate personal protective equipment. See Section 8, Exposure Controls/Personal Protection.

ENVIRONMENTAL PRECAUTIONS Prevent contamination of surface and groundwater.

METHODS OF CLEANING UP Small spills may be flushed away with large quantities of water. Large spills should be contained and recovered if possible; if not possible divert spill to pond and allow to dry.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Good general ventilation should be sufficient for most conditions.

STORAGE INFORMATION

This product must be protected from freezing and exposure to temperatures exceeding 40 deg C. Store at room temperature. Product may develop bacterial odours upon long-term storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

None established.

ENGINEERING CONTROL

Good general ventilation should be sufficient for most conditions.

PERSONAL PROTECTIVE EQUIPMENT RESPIRATORY PROTECTION

For most conditions, no respiratory protection should be needed however, in misty atmospheres, use an approved mist respirator.

SKIN PROTECTION

No precautions other than clean body-covering clothing should be needed. Use impervious gloves when prolonged or frequently repeated contact could occur.

EYE/FACE PROTECTION

Use safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Emulsion	Freezing point/range	0 deg.C (water)
Colour	Milky White	Boiling point/range	100 deg.C (water)
Odour	Practically odourless	Water Solubility	miscible in all proportions
Solid content	45% (approx)	Flash point	not applicable
pH	10.5	Flammability	not applicable
Rel. density (water=1)	0.98-1.04	Auto-ignition temp	not applicable

10. STABILITY/REACTIVITY

CHEMICAL STABILITY

Stable under normal handling and storage conditions.

CONDITIONS TO AVOID

May coagulate if frozen (0 deg.C) The dry resin is combustible.

MATERIALS TO AVOID

Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.

11. TOXICOLOGICAL INFORMATION

INGESTION

Single dose oral toxicity is low. The oral LD50 for rats is >2000 mg/kg. No hazards anticipated from swallowing small amounts incidental to normal industrial handling.

(Cont'd)

11. TOXICOLOGICAL INFORMATION (cont'd)

SKIN CONTACT	The LD50 for skin absorption in rats is >2000 mg/kg. Short single exposure is not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation. Skin absorption is unlikely due to physical properties.
INHALATION	No adverse effects are anticipated from inhalation .
EYE CONTACT	May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

12. ECOLOGICAL INFORMATION

DEGRADATION	Biodegradation reached in the Closed Bottle Test (OECD Test No. 301 D) after 28 days: <10 % Latex dispersions will colour waters to a milky white.
AQUATIC TOXICITY	Acute LC50 for rainbow trout (<i>Onchorynchus mykiss</i>) is >100 mg/L. Acute EC50 for water flea (<i>Daphnia magna</i>) is 10-100 mg/L.

13. DISPOSAL CONSIDERATIONS

Dispose of according to local and national regulations.

14. TRANSPORT INFORMATION

Product is not classified for any mode of transportation.

15. REGULATORY INFORMATION

EEC Classification and User Label Information

This product does not require classification according to the criteria of the Commission of the European Communities.

16. OTHER INFORMATION

No other information

NOTICE TO CUSTOMER:-

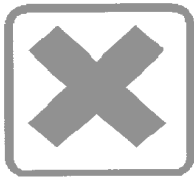
ENSURE ALL POTENTIAL USERS OF THIS PRODUCT ARE AWARE OF THIS SDS PRIOR TO USING THE PRODUCT.

KEEP SDS IN A SAFE PLACE READILY LOCATABLE IN CASE OF FUTURE REQUIREMENT. READ THIS SDS IN CONJUNCTION WITH THE LABEL AND DIRECTIONS FOR USE ON THE PRODUCT CONTAINER.

**DESTROY ALL OBSOLETE COPIES RELATING TO THIS PRODUCT
THIS SDS RELATES ONLY TO THE PRODUCT SPECIFIED.
COPIES OF THIS DOCUMENT ARE AVAILABLE ON REQUEST.**

THIS SAFETY DATA SHEET IS BASED ON THE BEST OF CURRENT INFORMATION AND ADVICE AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE. NO LIABILITY CAN BE ACCEPTED FOR LOSS, DAMAGE OR INJURY AS CONDITIONS OF USE ARE OUTSIDE OUR CONTROL. THIS IS NOT A TECHNICAL SPECIFICATION.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.



Irritant

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MSDS Ref:

Publication date

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26/02/2002

1. PRODUCT NAME: **TRISEAL - RESIN (Part 1)**

2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Bisphenol A and F epoxy Resins	25068-38-6		} <60%	Xi (Irritant)	R36/38,43
Alkylglycidylether	54208-63-8				
	68081-84-5	2683582	<15%	Xi (Irritant)	R36/38,R43,R51/53

3. HAZARD IDENTIFICATION



Irritant

Irritant

Irritating to skin and eyes.

May cause sensitisation by skin contact.

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID

CONTACT WITH SKIN	Wash with plenty of soap and water.
CONTACT WITH EYES	Wash out with water for several minutes and seek medical advice.
INGESTION	Seek medical advice in the event of discomfort.
INHALATION	Remove to fresh air if fumes cause irritation of nose or throat.
OTHER INFORMATION	May aggravate existing respiratory problems.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Dry powder or foam. For small fires use CO ₂ . Never use water jet.
SPECIAL PROTECTIVE EQUIPMENT	For fires in confined spaces, use breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing appropriate to the amount involved, which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear, overalls.
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ENVIRONMENTAL PRECAUTIONS	Do not allow to enter public sewers and watercourses. If this cannot be avoided, inform the appropriate authority.
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(Contd.)

6. ACCIDENTAL RELEASE MEASURES (contd.)

CLEAN-UP PROCEDURES Absorb in dry sand or earth or similar absorbent and shovel into a suitable closed container for disposal according to item 13.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8. Avoid open flames and sources of ignition.

STORAGE INFORMATION Keep containers tightly closed in a cool place, out of direct sunlight. Keep stored well ventilated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



Where prolonged or repeated exposure is likely, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves. Wash hands and exposed skin before meals and after work. Do not eat, drink or smoke whilst handling the product. Do not wear contaminated clothing. Ventilate confined spaces thoroughly.

EXPOSURE LIMITS None prescribed in EH40
Slight irritant, not considered hazardous.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red liquid	Oxidising properties	None
Odour	Faint	Vapour pressure	No data
pH	N/A	Relative density	1.13 (25°C)
Boiling point	>200°C	Bulk density	Not relevant
Melting point	Not Relevant	Viscosity	No data
Flash point	>150C	Solubility	Insoluble in water
Autoignition temperature	No data	Partition coefficient	No data
Explosive properties	No data	Other data	

10. STABILITY/REACTIVITY

STABILITY Stable under normal conditions of use.

CONDITIONS TO AVOID High temperatures (degrades resin).

MATERIALS TO AVOID Strong oxidising agents, strong acids and bases.

16. OTHER INFORMATION

The information contained in this data sheet is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.

**Corrosive****Triton Chemical Manufacturing Co. Ltd**

129 Felixstowe Road, Abbeywood, London SE2 9SG

Telephone: 020 8310 3929

Fax: 020 8312 0349

MSDS Ref:
TRPublication date
26/02/2002

Revision date

1. PRODUCT NAME: TRISEAL – HARDENER (Part 2)**2. COMPOSITION**

Hazardous ingredient	CAS No.	Weight %	Symbols	Risk Phrases
Tris-2,4,6(Dimethyl amino methyl) phenol	90-72-2	<5.0%	Xn	R22-36/38
Bis(Dimethyl amino methyl) phenol	71074-89-0	<1.0%	Xn	R22-36/38
Alkylated polyamine adduct		<90%	C (Corrosive)	R21/22,34, 42/43

3. HAZARD IDENTIFICATION**Corrosive**

Corrosive – Causes burns.
Harmful if swallowed.
May cause sensitisation by skin contact.

4. FIRST AID

CONTACT WITH SKIN	Wash with plenty of soap and water. If irritation persists, obtain medical advice.
CONTACT WITH EYES	Wash out with water for several minutes and seek medical advice.
INGESTION	Give plenty of water – if possible, charcoal slurry. Do not induce vomiting.
INHALATION	Remove to fresh air. If symptoms persist, seek medical advice.
OTHER INFORMATION	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Dry powder, fog or foam. For small fires use CO ₂ . DO NOT use high pressure water jet.
SPECIAL PROTECTIVE EQUIPMENT	Full protective equipment. Toxic and irritant fumes may be produced.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing appropriate to the amount involved, which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear, overalls. Avoid contact with eyes and skin.
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6. ACCIDENTAL RELEASE MEASURES (contd.)

ENVIRONMENTAL PRECAUTIONS Do not allow to enter public sewers and watercourses. If this cannot be avoided, inform the appropriate authority.

CLEAN-UP PROCEDURES Absorb in dry sand or earth or similar absorbent and shovel into a suitable closed container for disposal according to item 13.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS Ensure adequate ventilation in work areas. Keep away from sources of ignition – no smoking. Avoid contact with eyes and skin. Avoid inhaling vapour, ensure good ventilation.

STORAGE INFORMATION Keep containers tightly closed in a cool place, out of direct sunlight. Keep stored well ventilated. Keep away from food and feeding stuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



Wear protective clothing, including eye protection and PVC or synthetic/rubber gloves. Wash hands and exposed skin before meals and after work. Do not eat, drink or smoke whilst handling the product.



EXPOSURE LIMITS None prescribed in EH40

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown Liquid	Oxidising properties	None
Odour	Amine-like	Vapour pressure	< 8 hpa @ 25°C
pH	>7 (in water)	Relative density	1.01 (25°C)
Boiling point	Decomposes	Bulk density	Not relevant
Melting point	Not Relevant	Viscosity	No data
Flash point	>100°C (CC)	Solubility	Partially miscible with water
Autoignition temperature	No data	Partition coefficient	No data
Explosive properties	No data	Other data	Avoid contact with strong acids and oxidizers.

10. STABILITY/REACTIVITY

STABILITY	Stable under normal conditions of use.
CONDITIONS TO AVOID	High Temperatures, formation of aerosols, static discharges.
MATERIALS TO AVOID	Strong oxidising agents, acids and bases.

11. TOXICOLOGICAL INFORMATION

LD₅₀ (rat, oral): > 5000mg/kg (by calculation). Eye irritation (rabbit): corrosive. Skin irritation (rabbit): corrosive.
 Dermal sensitisation (guinea pig): sensitiser

12. ECOLOGICAL INFORMATION

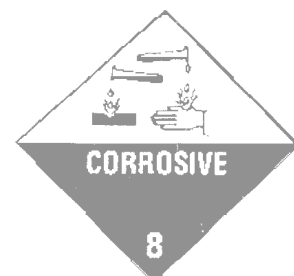
MOBILITY	Likely to be mobile in soil.
DEGRADABILITY	Readily biodegradable.
ACCUMULATION	There is little potential for bioaccumulation. Biomagnification is unlikely.
ECOTOXICITY	Harmful to aquatic organisms:

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT	Chemical residues are normally regarded as Special Waste. Incinerate in compliance with the Environmental Protection Act 1990 (Process Guidance Note IPR5/1)
DISPOSAL OF PACKAGING	As for the product.

14. TRANSPORT INFORMATION

UN NO.	2735
PROPER SHIPPING NAME	Class 8. Item 53(b)
ADR/RID	Class 8. IMDG Code page
IMCO	MFAG Table No. 320
	EmS No. 8-05
IATA/IACO	Class 8
PACKING GROUP	3
LABEL	Corrosive



15. REGULATORY INFORMATION

CLASSIFICATION

Corrosive

LABEL INFORMATION

R34: Causes burns.

R21/22: Harmful in contact with skin and if swallowed.

R42/43: May cause sensitisation by inhalation and skin contact.

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.

S28: After contact with skin, wash immediately with plenty of water and mild soap.

Refer to other relevant legislation such as the Health and Safety at Work etc Act (HSWA), THE Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

16. OTHER INFORMATION

The information contained in this data sheet is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.

**Irritant**

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MSDS Ref: TR
300Publication date
4/4/97

Revision date

1. PRODUCT NAME: **TRIMOL RESINS 15, 34, 35, 36, 40, 41**

2. COMPOSITION

Hazardous ingredient	CAS Nos.	Weight, %	Symbols	Risk Phrases
Bisphenol A and F epoxy Resins, diglycidyl ethers	25068-38-6, 68609-97-2, 28064-14-4	100	Xi (Irritant)	R36/38,43,51/53

3. HAZARD IDENTIFICATION**Irritant**

Irritant
 Irritating to skin and eyes

4. FIRST AID

CONTACT WITH SKIN	Wash with plenty of soap and water.
CONTACT WITH EYES	Wash out with water for several minutes and seek medical advice.
INGESTION	Seek medical advice in the event of discomfort.
INHALATION	Remove to fresh air if fumes cause irritation of nose or throat.
OTHER INFORMATION	May aggravate existing respiratory problems.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Dry powder or foam. For small fires use CO ₂ . Never use water jet.
SPECIAL PROTECTIVE EQUIPMENT	For fires in confined spaces, use breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing appropriate to the amount involved, which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear and overalls.
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(Contd.).

6.ACCIDENTAL RELEASE MEASURES (contd.)

ENVIRONMENTAL PRECAUTIONS	Do not allow to enter public sewers and watercourses. If this cannot be avoided, inform the appropriate authority.
CLEAN-UP PROCEDURES	Absorb in dry sand or earth or similar absorbents and shovel into a suitable closed container for disposal according to item 13.

7.HANDLING AND STORAGE

HANDLING PRECAUTIONS	Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8.
STORAGE INFORMATION	Keep containers tightly closed in a cool place, out of direct sunlight. Keep stored well ventilated.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Where prolonged or repeated exposure is likely, protective clothing should be worn, including eye protection, boots and PVC or synthetic rubber gloves. Wash hands and exposed skin before meals and after work. Do not eat, drink or smoke whilst handling the product.
Do not wear contaminated clothing. Ventilate confined spaces thoroughly.

EXPOSURE LIMITS None prescribed in EH40.
Slight irritant, not considered hazardous.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, golden liquid	Oxidising properties	None
Odour	Faint	Vapour pressure	1Pa (20°C)
pH	7 (50% suspension in water)	Relative density	1.2-1.13 (15°C)
Boiling point	Decomposes	Bulk density	Not Relevant
Melting point	Not Relevant	Viscosity	No data
Flash point	>150°C	Solubility	Insoluble in water
Autoignition temperature	No data	Partition coefficient	No data
Explosive properties	No data	Other data	

10. STABILITY/REACTIVITY

STABILITY	Stable under normal conditions of use.
CONDITIONS TO AVOID	High temperatures (degrades resin).
MATERIALS TO AVOID	Strong oxidising agents, acids and bases. Excess of hardener (uncontrolled polymerisation reaction).

11. TOXICOLOGICAL INFORMATION

Not available data on acute toxicity. Irritating to eyes. A mild skin irritant and mild sensitising agent.

12. ECOLOGICAL INFORMATION

MOBILITY	Low soil absorption.
DEGRADABILITY	Not easily biodegradable
ACCUMULATION	There is potential for bioaccumulation. Biomagnification is unlikely.
ECTOTOXICITY	Toxic to aquatic organisms: (TLm96: fish 1.2mg/litre, Daphnia 2.7 mg/litre, algae 9.4mg/litre)

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT:	Chemical residues are normally regarded as Special Waste. Dispose of in accordance with local and national regulations (incinerate or landfill).
DISPOSAL OF PACKAGING:	Uncleaned packaging should be treated as for the product.

14. TRANSPORT INFORMATION

UN No.	None assigned
PROPER SHIPPING NAME	Liquid epoxy resin
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous MFAG Table No. EmS No.
IATA/IACO	Not classified as hazardous
PACKING GROUP	
LABEL	No hazard label

15. REGULATORY INFORMATION

CLASSIFICATION Irritant

LABEL INFORMATION

S24: Irritating to eyes and skin.

S26: May cause sensitisation by skin contact.

S28: After contact with skin, wash immediately with plenty of water.

S37/39: Wear suitable gloves and eye/face protection.

Refer to other relevant legislation such as Health and Safety at Work etc Act (HSWA), the Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

16. OTHER INFORMATION

The information contained in this data sheet is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.



Irritant

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MSDS Ref: TR
315Publication date
05/09/97

Revision date

1. PRODUCT NAME: **TRIMOL 41 FILLER**

2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Ordinary Portland cement	65997-15-1		71	Xi (Irritant)	See section 15

Also contains silica sand and other additives

3. HAZARD IDENTIFICATION



Irritant

Irritant
Irritating to skin and eyes

4. FIRST AID

CONTACT WITH SKIN	Wash off with plenty of soap and water. Remove contaminated clothing.
CONTACT WITH EYES	Wash out with water for at least 15 minutes and seek medical advice without delay.
INGESTION	Wash out mouth with water and give plenty of water to drink. DO NOT INDUCE VOMITING.
INHALATION	Remove to fresh air. If nose or airways become inflamed, seek medical advice.
OTHER INFORMATION	Until the mixture has set, may cause both irritant and allergic contact dermatitis.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	As appropriate to surrounding fire
SPECIAL PROTECTIVE EQUIPMENT	No particular requirement

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing appropriate to the amount involved which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear and overalls, particularly during mixing operations.
ENVIRONMENTAL PRECAUTIONS	Contain the spillage and keep children away from the area.
CLEAN-UP PROCEDURES	Recover the spilt material in a dry state if possible. Minimise generation of airborne dust.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS	Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8.
STORAGE INFORMATION	Keep containers tightly closed in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



When handling or mixing the product, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves.
Wash hands and exposed skin before meals and after work.
Do not wear contaminated clothing.



EXPOSURE LIMITS Occupational exposure standard (8h TWA):
10mg/m³ total inhalable dust, 5mg/m³ respirable dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey powder	Oxidising properties	None
Odour	None	Vapour pressure	Not relevant
pH	11, when wet.	Relative density	Not relevant
Boiling point	Not relevant	Bulk density	1300 kg/m ³
Melting point	Not relevant	Viscosity	Not relevant
Flash point	None	Solubility	Very slightly soluble in water
Autoignition temperature	Not combustible	Partition coefficient	Not relevant
Explosive properties	None	Other data	

10. STABILITY/REACTIVITY

STABILITY	Stable under normal conditions of use.
CONDITIONS TO AVOID	Damp (degrades product).
MATERIALS TO AVOID	No particular requirements.

11. TOXICOLOGICAL INFORMATION

Severe eye irritant. Irritating to skin – the powder or its mixture with water may cause irritant dermatitis or burns, and traces of hexavalent chromium in the product may cause allergic dermatitis. Ingestion of small amounts is unlikely to cause any significant reaction, but large doses may result in irritation to the gastrointestinal tract.

12. ECOLOGICAL INFORMATION

MOBILITY	Not mobile in soil.
DEGRADABILITY	Relatively inert.
ACCUMULATION	No potential for bioaccumulation or biomagnification.
ECOTOXICITY	Addition of cement-based products to water may cause the pH to rise, and they may therefore be toxic to aquatic life in some circumstances.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT	Dispose of in accordance with local and national regulations (normally landfill), or to any place authorised to accept builders waste.
DISPOSAL OF PACKAGING	Packaging should be treated as for the product, or may be incinerated.

14. TRANSPORT INFORMATION

UN NO.	None assigned
PROPER SHIPPING NAME	Portland cement mixture
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous
ICAO/IATA	Not classified as hazardous
PACKING GROUP	
LABEL	No hazard label

15. REGULATION INFORMATION

CLASSIFICATION Irritant

LABEL INFORMATION:

CONTACT WITH WET MORTAR MAY CAUSE IRRITATION, DERMATITIS OR BURNS.

CONTACT BETWEEN THE POWDER AND BODY FLUIDS (eg Sweat or Eye Fluid) MAY ALSO CAUSE IRRITATION, DERMATITIS OR BURNS.

RISK OF SERIOUS DAMAGE TO EYES.

READ ALL PRECAUTIONS BEFORE USE

The (COSHH) Control of Substances Hazardous to Health Regulations 1988 may apply to the use of this product at work. Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment.

WEAR SUITABLE PROTECTIVE CLOTHING, gloves and eye/face protection.

IN CASE OF CONTACT WITH EYES rinse immediately with plenty of water and seek medical advice.

AFTER CONTACT WITH SKIN, wash immediately with plenty of clean water.

KEEP OUT OF REACH OF CHILDREN.

Refer to other relevant legislation such as the Health and Safety at Work etc Act (HSWA), THE Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

16. OTHER INFORMATION

The information contained in this data sheet is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.



Irritant

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304Publication date
11/4/97

Revision date

1. PRODUCT NAME: **TRIMOL 41 HARDENER**

2. COMPOSITION

Hazardous ingredient	CAS Nos.	EC No.	Weight, %	Symbols	Risk Phrases
Amine-epoxy resin adduct	polymer		20	Xi (Irritant)	R22, 36/38

3. HAZARD IDENTIFICATION



Irritant

Harmful
 Harmful if swallowed
 Irritating to skin and eyes

4. FIRST AID

CONTACT WITH SKIN	Wash with plenty of soap and water. Seek medical advice if irritation develops.
CONTACT WITH EYES	Wash out with water for several minutes and seek medical advice.
INGESTION	Give plenty of water to drink. Do not induce vomiting. Seek medical advice.
INHALATION	Remove to fresh air. Keep warm and at rest. Seek medical advice after significant exposure.
OTHER INFORMATION	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Dry powder or foam. For small fires use CO ₂ .
SPECIAL PROTECTIVE EQUIPMENT	For fires in confined spaces, use breathing apparatus. Toxic and irritant fumes of oxides of nitrogen may be produced.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing appropriate to the amount involved, which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear and overalls.
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(Contd.).

6.ACCIDENTAL RELEASE MEASURES (contd.)

ENVIRONMENTAL PRECAUTIONS	Do not allow to enter public sewers and watercourses. If this cannot be avoided, inform the appropriate authority.
CLEAN-UP PROCEDURES	Absorb in dry sand or earth or similar absorbents and shovel into a suitable closed container for disposal according to item 13.

7.HANDLING AND STORAGE

HANDLING PRECAUTIONS	Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8.
STORAGE INFORMATION	Keep containers tightly closed in a cool place, out of direct sunlight. Keep stored well ventilated.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Where prolonged or repeated exposure is likely, protective clothing should be worn, including eye protection, boots and PVC or synthetic rubber gloves. Wash hands and exposed skin before meals and after work. Do not eat, drink or smoke whilst handling the product. Do not wear contaminated clothing. Ventilate confined spaces thoroughly.

EXPOSURE LIMITS None prescribed in EH40.
Slight irritant, not considered hazardous.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous liquid	Oxidising properties	None
Odour	Slight, ammonia-like	Vapour pressure	2000Pa (20°C)
pH	9 (50% suspension in water)	Relative density	1.04 (15°C)
Boiling point	100°C	Bulk density	Not Relevant
Melting point	Solid below 0°C	Viscosity	Thixotropic
Flash point	No data	Solubility	Partially soluble in water
Autoignition temperature	No data	Partition coefficient	No data
Explosive properties	No data	Other data	

10. STABILITY/REACTIVITY

STABILITY Stable under normal conditions of use.

CONDITIONS TO AVOID Protect from frost.

MATERIALS TO AVOID Strong oxidising agents, acids.

11. TOXICOLOGICAL INFORMATION

Not available data on acute toxicity. Expected value from structurally related products:
LD₅₀ (acute, oral) 1000-4000 mg/kg.

Irritating to eyes.

12. ECOLOGICAL INFORMATION

MOBILITY Mobile – avoid subsoil penetration.

DEGRADABILITY Not easily biodegradable

ACCUMULATION No evidence for bioaccumulation. Biomagnification is unlikely.

ECTOTOXICITY No data

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT: Chemical residues are normally regarded as Special Waste. Dispose of in accordance with local and national regulations (incinerate or landfill).

DISPOSAL OF PACKAGING: Uncleaned packaging should be treated as for the product.

14. TRANSPORT INFORMATION

UN No. None assigned

PROPER SHIPPING NAME

ADR/RID Not classified as hazardous

IMCO Not classified as hazardous

MFAG Table No.

EmS No.

IATA/IACO Not classified as hazardous

PACKING GROUP

LABEL No hazard label
