



*Chemical Manufacturing Co. Ltd.*

## **C.O.S.H.H. PACK**

**DAMP PROOFING  
AND  
REPLASTERING.**

# **SECTION 1 :**

## **DAMPROOFING AND REPLASTERING.**

### **DAMPROOFING.**

- TRI-CREAM
- TRI-GEL
- TRIJECT-RAPID DPC
- TRIJECT 3 DPC
- TRIJECT 2 SOLVENT DPC

### **REPLASTERING.**

- TRITON RENOVATING PLASTER
- TRIMIX 1
- TRI-REND

**Triton Chemical Manufacturing Co. Ltd**

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MSDS Ref:  
TRPublication date  
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Revision date

**1. PRODUCT NAME: TRI-CREAM (Advanced D.P.C Injection System)****2. COMPOSITION**

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
White Mineral Oil	92062-35-6		50<75%	Xn	
Siloxane & Alkylalkoxysilane			15%	Xi, N	

**3. HAZARD IDENTIFICATION**

This product is not classified under the Chemicals Hazard Information and Packaging Regulations 2002

**4. FIRST AID****CONTACT WITH SKIN**

Remove contaminated clothing. Wash affected skin with soap and plenty of water.

**CONTACT WITH EYES**

Wash copiously with water or eye wash for at least 15 minutes. If symptoms persist seek medical attention.

**INGESTION**

Rinse out mouth and then drink plenty of water. Consult doctor as soon as possible. Keep the person affected quiet.

**INHALATION**

Remove to fresh air.

**OTHER INFORMATION****5. FIRE-FIGHTING MEASURES****SUITABLE EXTINGUISHING MEDIA**

Water mist, alcohol foam, carbon dioxide or dry chemical.

**SPECIFIC HAZARDS**

None

**CLEAN-UP PROCEDURES**

Collect contaminated fire fighting water separately. It must not enter drains. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.



**11. TOXICOLOGICAL INFORMATION (cont'd)**

EYE CONTACT	No irritating effect.
INGESTION	No acute oral data available
ACUTE OVEREXPOSURE	-
CHRONIC OVEREXPOSURE	-

**12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY	Product hydrolyses to ethanol, silanol and/or siloxanol compounds.
AQUATIC TOXICITY	Considered to be a weak water pollutant.

**13. DISPOSAL CONSIDERATIONS**

DISPOSAL OF PRODUCT	Disposal through an authorised contractor to an incinerator site. In accordance with the Control of Pollution Act 1974. Control of pollution (Special Waste) Regulations 1980 apply. Hazardous waste as defined by EC Council Directive 91/689/EEC. Disposal outside the UK in accordance with local regulations governing hazardous liquid and solid wastes.
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**14. TRANSPORT INFORMATION**

PACKAGING	5 litre Tub.
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Not classified as hazardous for transport purposes.

**15. REGULATORY INFORMATION**

The COSHH Regulations 2002 may apply to the use of this product at work.

**16. OTHER INFORMATION**

BWPDA DP6: Safety in damp proofing

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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.*

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

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TR

Publication date

30/4/2003

Revision date



1. PRODUCT NAME: **TRI-GEL (Ready to use waterbased d.p.c gel)**

**2. COMPOSITION**

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Potassium methylsiliconate	031795-24-1	250-807-9	10-25	C, Corrosive	R35
Potassium hydroxide	001310-58-3	215-181-3	5-10	C, Corrosive	R35

**3. HAZARD IDENTIFICATION****Corrosive**

Corrosive – causes severe burns  
Highly alkaline, avoid contact with acids.

**4. FIRST AID**

CONTACT WITH SKIN	Wash with plenty of soap and water. Remove contaminated clothing, shoes or boots.
CONTACT WITH EYES	Wash out with water for at least 15 minutes. Seek medical advice.
INGESTION	Rinse the mouth (do not swallow), Seek medical advice. DO NOT INDUCE VOMITING.
INHALATION	Remove to fresh air.

**OTHER INFORMATION****5. FIRE-FIGHTING MEASURES**

SUITABLE EXTINGUISHING MEDIA	As appropriate to surrounding fire
SPECIFIC HAZARDS	Following evaporation of water, the residue may burn: Toxic gases are released. Hazardous dust is released.
SPECIAL PROTECTIVE EQUIPMENT	Full protective clothing.

## 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, protective footwear, overalls.
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	Material should only be handled by trained personnel. Wear suitable protective clothing according to item 8.
STORAGE INFORMATION	Protect from frost. Keep containers tightly closed in a cool place. Do not mix or store in galvanised or light metal containers. Avoid contact with acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



Wear goggles or face shield, PVC or synthetic rubber gloves, protective footwear, and overalls.  
 It is advisable to wear a suitable head covering and to apply a barrier cream (water-resistant type).  
 Wash before meals; shower or bathe after work. Do not smoke whilst handling the product.  
 Do not wear contaminated clothing.



### EXPOSURE LIMITS

Potassium hydroxide: OES: 2mg/m<sup>3</sup> - (short-term exposure limit – 15minute reference period)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless to Yellowish Gel	Oxidising properties	None
Odour	Sweetish	Vapour pressure	2.3 Kpa @ 20°C
PH	12 - 13	Relative density	1.17 (15°C)
Boiling point	Not Relevant	Bulk density	Not relevant
Melting point	May crystallise at low temperature	Viscosity	thixotropic gel
Flash point	None	Solubility	Miscible with water
Flammability/autoflammability	Not Relevant	Partition coefficient	No data
Explosive properties	Not explosive	Other data	Slowly attacks light metals

**10. STABILITY/REACTIVITY**

STABILITY	Stable under normal conditions of use.
CONDITIONS TO AVOID	The product is a strong alkali which reacts violently with acids.
MATERIALS TO AVOID	Zinc, aluminium (slowly liberates hydrogen). Ammonium salts (ammonia).

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity: no data known.  
 The high alkalinity of the preparation renders it corrosive. It causes severe burns.  
 Ingestion may cause nausea and extreme discomfort.

**12. ECOLOGICAL INFORMATION**

MOBILITY	The water-miscibility of the product suggests that it is likely to leach from soil into groundwater. There is no available data on sorption/desorption.
DEGRADABILITY	Biotic and abiotic degradation are likely to be slow. No data on persistence.
ACCUMULATION	There is no evidence for bioaccumulation or biomagnification.
ECOTOXICITY	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.
DISPOSAL OF PACKAGING	Uncleaned packaging should be treated as for the product. If thoroughly rinsed, it may be treated as general waste for recycling, incineration or landfill, according to regulations.

**14. TRANSPORT INFORMATION**

**INTERNATIONAL REGULATIONS**

RAIL/ROAD (RID/ADR):	UN No:	3267
	Class:	8
	Item No:	56b
	Hazard identification No:	80
	Labelling:	8 Corrosive
	Packaging Group:	II
	Proper Shipping Name:	Caustic Alkali liquid, NOS. Contains Potassium methylsiliconate/Potassium Hydroxide.
	Marine pollutant:	No.

## 15. REGULATORY INFORMATION

CLASSIFICATION Corrosive (C)

### LABEL INFORMATION

CONTAINS POTASSIUM HYDROXIDE, POTASSIUM METHYL SILICONATE.

R35: CAUSES SEVERE BURNS.

S26: IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.

S35: THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.

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).

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.

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## 16. OTHER INFORMATION

USES: Damp-proofing for buildings (For further information, refer to the product technical data sheet).

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*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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Corrosive

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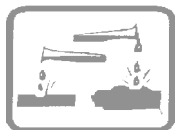
Revision date

1. PRODUCT NAME: **TRIJECT-RAPID DPC**

2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Potassium methylsiliconate	031795-24-1		47	C, Corrosive	R35
Potassium hydroxide	001310-58-3	215-181-3	19	C, Corrosive	R35

3. HAZARD IDENTIFICATION



Corrosive

Corrosive – causes severe burns

4. FIRST AID

CONTACT WITH SKIN	Wash with plenty of water or soap and water. Immediately remove contaminated clothing.
CONTACT WITH EYES	Wash out with water for several minutes. Seek medical advice.
INGESTION	Rinse the mouth (do not swallow), and give copious fluids to drink. DO NOT INDUCE VOMITING.
INHALATION	Remove to fresh air.
OTHER INFORMATION	Advice to doctor: Allow cortisone spray inhalation at the earliest opportunity.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	As appropriate to surrounding fire
SPECIAL PROTECTIVE EQUIPMENT	Full protective clothing.

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, protective footwear, overalls.
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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** Material should only be handled by trained personnel. Wear suitable protective clothing according to item 8.

**STORAGE INFORMATION** Protect from frost. Keep containers tightly closed in a cool place. Do not mix or store in galvanised or light metal containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



Wear goggles or face shield, PVC or synthetic rubber gloves, protective footwear, and overalls.

It is advisable to wear a suitable head covering and to apply a barrier cream (water-resistant type).

Wash before meals, shower or bathe after work. Do not smoke whilst handling the product.

Do not wear contaminated clothing.



**EXPOSURE LIMITS** None assigned in EH40

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless liquid	Oxidising properties	None
Odour	None	Vapour pressure	Not relevant
pH	14	Relative density	1.030 – 1.34 (15°C)
Boiling point	Not Relevant	Bulk density	Not relevant
Melting point	May crystallise at low temperature	Viscosity	12cS (25°C)
Flash point	None	Solubility	Miscible with water
Flammability/autoflammability	Not Relevant	Partition coefficient	No data
Explosive properties	Not explosive	Other data	Slowly attacks light metals

**10. STABILITY/REACTIVITY**

STABILITY	Stable
CONDITIONS TO AVOID	No special requirements
MATERIALS TO AVOID	Zinc, aluminium (slowly liberates hydrogen). Ammonium salts (ammonia). ACIDS

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity: no data known.  
 The high alkalinity of the preparation renders it corrosive. It causes severe burns.

Ingestion may cause nausea and extreme discomfort.

**12. ECOLOGICAL INFORMATION**

MOBILITY	The water-miscibility of the product suggests that it is likely to leach from soil into groundwater. There is no available data on sorption/desorption.
DEGRADABILITY	Biotic and abiotic degradation are likely to be slow. No data on persistence.
ACCUMULATION	There is no evidence for bioaccumulation or biomagnification.
ECOTOXICITY	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.
DISPOSAL OF PACKAGING	Uncleaned packaging should be treated as for the product. If thoroughly rinsed, it may be treated as general waste for recycling, incineration or landfill, according to regulations.

**14. TRANSPORT INFORMATION**

UN NO.	1814
PROPER SHIPPING NAME	Caustic Alkali Liquid, NOS. Contains Potassium methylsiliconate/Potassium hydroxide
EMERGENCY ACTION CODE	2X
ADR/RID	Class 8. Item 42(b)
IMCO	Class 8. IMDG Code page 8136 MFAG Table No. 705 EmS No. 8-06
ICAO/IATO	Class 8. Passenger aircraft: packing 809, max. 1 litre nett. Cargo: packing 813, max. 30 litres nett.
PACKING GROUP	2
LABEL	Corrosive

## 15. REGULATORY INFORMATION

CLASSIFICATION Corrosive (C)

### LABEL INFORMATION

CONTAINS POTASSIUM HYDROXIDE.

R35: CAUSES SEVERE BURNS.

S1/2: KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.

S23: DO NOT BREATHE SPRAY.

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).

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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*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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Corrosive

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TR204

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20/02/97

Revision date



1. PRODUCT NAME: **TRIJECT 3**

2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Potassium methylsiliconate	031795-24-1		35	C, Corrosive	R35
Potassium hydroxide	001310-58-3	215-181-3	14	C, Corrosive	R35

3. HAZARD IDENTIFICATION



Corrosive

Corrosive – causes severe burns

4. FIRST AID

CONTACT WITH SKIN	Wash with plenty of soap and water.
CONTACT WITH EYES	Wash out with water for several minutes. Seek medical advice.
INGESTION	Rinse the mouth (do not swallow), and give copious fluids to drink. DO NOT INDUCE VOMITING.
INHALATION	Remove to fresh air.
OTHER INFORMATION	Advice to doctor: Allow cortisone spray inhalation at the earliest opportunity.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	As appropriate to surrounding fire
SPECIAL PROTECTIVE EQUIPMENT	Full protective clothing.

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, protective footwear, overalls.
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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	Material should only be handled by trained personnel. Wear suitable protective clothing according to item 8.
STORAGE INFORMATION	Protect from frost. Keep containers tightly closed in a cool place. Do not mix or store in galvanised or light metal containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



Wear goggles or face shield, PVC or synthetic rubber gloves, protective footwear, and overalls.

It is advisable to wear a suitable head covering and to apply a barrier cream (water-resistant type).

Wash before meals; shower or bathe after work. Do not smoke whilst handling the product.

Do not wear contaminated clothing.



EXPOSURE LIMITS                      None assigned in EH40

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless liquid	Oxidising properties	None
Odour	None	Vapour pressure	Not relevant
PH	12 - 13	Relative density	1.24 (15°C)
Boiling point	Not Relevant	Bulk density	Not relevant
Melting point	May crystallise at low temperature	Viscosity	6-9cS (25°C)
Flash point	None	Solubility	Miscible with water
Flammability/autoflammability	Not Relevant	Partition coefficient	No data
Explosive properties	Not explosive	Other data	Slowly attacks light metals

## 10. STABILITY/REACTIVITY

STABILITY	Stable
CONDITIONS TO AVOID	No special requirements
MATERIALS TO AVOID	Zinc, aluminium (slowly liberates hydrogen). Ammonium salts (ammonia).

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity: no data known.

The high alkalinity of the preparation renders it corrosive. It causes severe burns.

Ingestion may cause nausea and extreme discomfort.

**12. ECOLOGICAL INFORMATION**

**MOBILITY** The water-miscibility of the product suggests that it is likely to leach from soil into groundwater. There is no available data on sorption/desorption.

**DEGRADABILITY** Biotic and abiotic degradation are likely to be slow. No data on persistence.

**ACCUMULATION** There is no evidence for bioaccumulation or biomagnification.

**ECOTOXICITY** 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.

**DISPOSAL OF PACKAGING** Uncleaned packaging should be treated as for the product. If thoroughly rinsed, it may be treated as general waste for recycling, incineration or landfill, according to regulations.

**14. TRANSPORT INFORMATION**

**UN NO.** 1719  
**PROPER SHIPPING NAME** Caustic Alkali Liquid, NOS. Contains Potassium methylsiliconate/Potassium hydroxide  
**EMERGENCY ACTION CODE** 2X  
**ADR/RID** Class 8. Item 42(b)  
**IMCO** Class 8. IMDG Code page 8136  
 MFAG Table No. 705  
 EmS No. 8-06  
**ICAO/IATO** Class 8. Passenger aircraft: packing 809, max.1 litre nett. Cargo: packing 813, max. 30 litres nett.  
**PACKING GROUP** 3  
**LABEL** Corrosive



## 15. REGULATORY INFORMATION

CLASSIFICATION Corrosive (C)

### LABEL INFORMATION

CONTAINS POTASSIUM HYDROXIDE.

R35: CAUSES SEVERE BURNS.

S1/2: KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.

S23: DO NOT BREATHE SPRAY.

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).

S51: USE ONLY IN WELL VENTILATED AREAS.

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.

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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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**HARMFUL**

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TR201

Publication date

02/03/97

Revision date

11/03/2004



1. PRODUCT NAME: **TRIJECT 2**

2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
De-aromatised white spirit	64742-48-9	265-150-3	96	Xn	R10, R65, R66
Silicone Resin			4		R10, R52, R53

3. HAZARD IDENTIFICATION



**HARMFUL**

Flammable  
 Harmful: May cause lung damage if swallowed  
 Repeated exposure may cause skin drying and cracking

4. FIRST AID

CONTACT WITH SKIN	Wash with plenty of soap and water.
CONTACT WITH EYES	Wash out with water for several minutes. If redness and/or irritation persists, seek medical advice.
INGESTION	Rinse the mouth (do not swallow), and give water or milk to drink. Seek medical advice. <b>DO NOT INDUCE VOMITING.</b>
INHALATION	Remove to fresh air if fumes cause irritation of nose or throat.
OTHER INFORMATION	Treat symptomatically

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Dry powder or foam. For small fires use CO <sub>2</sub> . Never use water jet. Flash point 40°C.
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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## 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	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 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                      LTEL for solvent: 1000 mg/m<sup>3</sup> (8hr. TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colourless liquid	Oxidising properties	None
Odour	Paraffinic	Vapour pressure	< 10 mbar @ 37.8°C
PH	Not relevant	Relative density	0.775 – 0.785 (15°C)
Boiling point	160° to 200°C	Bulk density	Not relevant
Melting point	Not Relevant	Viscosity	1.24cS @ 20°C
Flash point	40°C	Solubility	Insoluble in water
Autoignition temperature	230°C	Partition coefficient	No data
Flammability limits	LEL 0.6%,UEL 8.0%	Other data	Aromatic content 0.4% vol, typically

## 10. STABILITY/REACTIVITY

STABILITY	Stable under normal conditions of use.(Protect from heat and ignition source
CONDITIONS TO AVOID	High temperatures (flash point 40°C)
MATERIALS TO AVOID	Strong oxidising agents, strong acids/alkalis and halogens.

**11. TOXICOLOGICAL INFORMATION**

Toxicity following a single exposure to high levels of the solvent component is of a low order. Prolonged and repeated contact may cause drying of the skin and possibly dermatitis. Prolonged inhalation of spray mist may cause inflammation of the lungs. The major hazard is lung damage from aspiration – medical supervision for 24-48 hours is recommended if aspiration could have occurred.

The Permethrin may cause a stinging or burning sensation on the skin (without lesions).

LD<sub>50</sub> oral (rat) > 5g/kg      LD<sub>50</sub> dermal (rabbit) > 5g/kg.

**12. ECOLOGICAL INFORMATION**

MOBILITY	The solvent is volatile, and the active ingredient decomposes in contact with water, becoming fixed in the soil.
DEGRADABILITY	Biodegrades slowly. If admitted with care into adapted bio-treatment plants, no adverse effects on the live sludge are to be expected.
ACCUMULATION	Has the potential to bioaccumulate. Log Pow = 4.07
ECOTOXICITY	Solvent is classed as non-toxic. Silicone is moderately toxic.

**13. DISPOSAL CONSIDERATIONS**

DISPOSAL OF PRODUCT	Chemical residues are normally regarded as Special Waste. Dispose of in accordance with local and national regulations. Can be burned in domestic refuse incinerators in accordance with local regulations.
DISPOSAL OF PACKAGING	Uncleaned packaging should be treated as for the product. If thoroughly rinsed, it may be treated as general waste for incineration or landfill, according to regulations.

**14. TRANSPORT INFORMATION**

UN NO.	1993
PROPER SHIPPING NAME	FLAMMABLE LIQUID, NOS. Triject 2, contains 96% white spirit
EMERGENCY ACTION CODE	3Y
ADR/RID	Class 3. Item 31(c)
IMCO	Class 3.3 IMDG Code page MFAG Table No. EmS No.
ICAO/IATO	Class 3.2
PACKING GROUP	3
LABEL	Flammable



## 15. REGULATORY INFORMATION

CLASSIFICATION Harmful: may cause lung damage if swallowed  
Flammable  
Repeated exposure may cause skin cracking and drying

### LABEL INFORMATION

### PRECAUTIONS

Keep out of the reach of children

Do not breathe vapour/spray

Avoid contact with skin

In case of fire use foam/dry powder/CO<sub>2</sub> Do not use water

Avoid release to the environment

If swallowed, do not induce vomiting, seek medical advice immediately and show the container or label.

Use only in well-ventilated areas.

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

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MSDS REF:

Publication Date

Revision Date

**10/11/2005**

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**1. PRODUCT NAME: TRITON RENOVATING PLASTER HSE No.**

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Controlled blends of ordinary Portland cement, expanded perlite aggregate, limestone flour and hydrated lime.

**3. HAZARD IDENTIFICATION**

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Respirable dust inhaled over a prolonged period of time could constitute a health hazard.

Irritating to eyes and skin.

Risk of serious damage to eyes.

May cause burns in the presence of moisture due to generation of strong alkaline solutions of calcium hydroxide.

May cause allergic dermatitis due to the sensitivity of an individuals skin to hexavalent chromium salts in the presence of moisture

**4. FIRST AID MEASURES**

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CONTACT WITH SKIN	An irritant, may cause burns in the presence of moisture. Remove contaminated clothing. Wash immediately with plenty of water.
CONTACT WITH EYES	Causes painful irritation and may cause serious damage to eyes unless immediate treatment is given. Speed is essential. Remove particles with cotton wool bud, irrigate with eyewash or clean water until medical help is obtained. Obtain medical attention as soon as possible.
INGESTION	Unlikely to cause any reactions. Larger doses may irritate gastrointestinal tract. Do not induce vomiting, wash out mouth with water and give copious quantities of water to drink.
INHALATION	Irritating to the respiratory tract in high concentration. Remove from exposure and keep warm and at rest. Irrigate nose and throat with water for at least 20 minutes.
FURTHER TREATMENT	Symptomatic, if necessary. No known delay effects. Prolonged or repeated contact with skin may result in more severe irritation or dermatitis. Prolonged repeated inhalation of high dust concentrations may cause ulceration and perforation of the nasal septum and pneumonitis. It is advisable to ensure that eyewash facilities are readily available where Portland cement may be handled.

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5. FIRE FIGHTING MEASURES

Non combustible and inhibits the spread of flame. No special fire fighting procedure, extinguisher media or explosion hazard is identified.

6. ACCIDENTAL RELEASE MEASURES

**SPILLAGES** Contain spillage and keep dry if possible. Use vacuum suction unit, or shovel into bags (using appropriate protective clothing (See section 8). Cover or enclose area if possible to avoid unnecessary dust hazard. The material can be slurried by the addition of water (see Hazardous ingredient, section 2) but will subsequently set as a hard material. Avoid contamination of drains and watercourses. Spillage into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

7. HANDLING AND STORAGE



Assess manual handling requirements which may need two man lifting techniques. The product should be handled to minimise the creation of airborne dust particles. Approved goggles and dust masks should be worn as well as long sleeved garments, full length trousers, Wellington boots and gloves. Avoid saturating clothing with mix water, which is alkaline and may lead to skin burns.

**STORAGE**

Bags should be palletised and kept dry. Bulk products should be stored in silos and kept dry. Dust collection system should be utilised to minimise the creation of dust.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**OCCUPATION EXPOSURE STANDARD:** Respirable dust – 4mg/m<sup>3</sup> (8hr TWA)  
Total inhalable dust – 10mg/m<sup>3</sup> (8hr TWA)

Handling systems should preferably be enclosed, or suitable ventilation installed to maintain atmospheric dust below OES. Wear suitable respiratory protection equipment if exposure to atmospheric dust levels above occupational exposure standard is likely. Use approved dust respirators to EN149 category FFP3, or air-stream helmet for heavy exposure. Rubber, leather or fabric/composite gloves provide suitable hand protection. Wide vision full goggles to BS2092 grade 1 impact, with anti-mist for eye protection. Long sleeved overalls, close fitting at openings. Boots that resist dust penetration.

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Coarse Powder	SOLUBILITY IN WATER:	Insoluble
ODOUR:	None	SOLUBILITY IN SOLVENT:	Insoluble
PH:	Highly Alkaline	PARTITION COEFFICIENT:	N/A
BOILING POINT:	N/A	FLASH POINT:	N/A
MELTING POINT:	N/A	AUTO IGNITION:	N/A
EXPLOSIVE PROPERTIES:	N/A	OXIDISING PROPERTIES:	N/A
VAPOUR PRESSURE:	N/A	DENSITY:	1.7

## 10. STABILITY AND REACTIVITY

MATERIALS TO AVOID: None

CONDITIONS TO AVOID: Water/Moisture (not controlled)

HAZARDOUS DECOMPOSITION PRODUCTS

None. The addition of water produced alkali by-products.

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## 11. TOXICOLOGICAL INFORMATION

INHALATION: High concentration of dust may be irritating to the respiratory tract.

INDIGESTION: May cause irritation of the gastrointestinal tract.

SKIN: Irritant in the presence of moisture. May cause burns.

EYES: Painful irritant, with risk of severe and permanent damage to eyes.

LONG TERM EXPOSURE: Prolonged and repeated skin contact may cause irritant contact dermatitis and/or allergic (chromium) dermatitis. Allergic dermatitis more commonly arises through contact with cement/water mixture than dry cement.

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## 12. ECOLOGICAL INFORMATION

ECOTOXICITY: The product is considered to be non toxic. Harmful to aquatic organisms in prolonged contact times.

MOBILITY: Sparingly soluble in water to form alkaline solution. Low mobility in most ground conditions.

PERSISTENCE & DEGRADATION Non bio-degradable – reacts with atmospheric and ground moisture and carbon dioxide to form a hard crystalline gel of calcium silicate/aluminate hydrates.

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## 13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT Disposal should be in accordance with current local and national legislation. Portland cement can normally be disposed only to licensed waste facilities.

DISPOSAL OF PACKAGING Contaminated packaging can be incinerated.

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## 14. TRANSPORT INFORMATION

Not classified as hazardous for transport

IMDG (Sea)	Not classified
ADR (Road)	Not classified
RID (Rail)	Not classified
IATA (Air)	Not classified

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## 15. REGULATORY INFORMATION

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. Statutory Instrument 2002 No. 1689.

Classification for conveyance: None

Classification for supply: Irritant

### LABEL INFORMATION

R38: Irritating to skin

R41: Risk of serious damage to eyes

S26: In case of contact with eyes, rinse immediately with water and seek medical advice.

S37,S39: Wear suitable gloves and eye/face protection.

S2: Keep out of reach of children

### SAFETY PHRASES

15.2 – Occupational Exposure Limits 2002 – HSE Guidance Note EH40/02

OES Inhalable dust – 10mg/m<sup>3</sup> (8hr TWA)

Respirable dust – 4mg/m<sup>3</sup> (8hr TWA)

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## 16. OTHER INFORMATION

Training advice:

Wear and use of PPE

Recommended Uses and Restrictions:

DIY and industrial applications

Sources of Key Data Used to Compile Data Sheet:

EH40, P.P.E. Regulations 1992

Other:

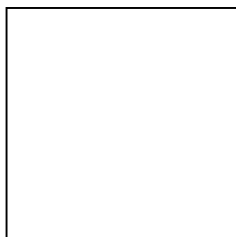
EH44 “Dust in the Workplace”

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MSDS Ref: TR

Publication date

Revision date

205

20/02/97

1. PRODUCT NAME: **TRIMIX 1**

## 2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Potassium oleate			11	None	None assigned

## 3. HAZARD IDENTIFICATION



Not hazardous under normal conditions of use.

## 4. FIRST AID

CONTACT WITH SKIN	Wash with plenty of water.
CONTACT WITH EYES	Wash out with water. Seek medical advice if irritation persists.
INGESTION	Rinse the mouth (do not swallow), and give copious fluids to drink. DO NOT INDUCE VOMITING.
INHALATION	Remove to fresh air.
OTHER INFORMATION	Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	As appropriate to surrounding fire
SPECIAL PROTECTIVE EQUIPMENT	No special requirements.

## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing including eye/face protection and PVC or synthetic rubber gloves.
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(Contd.)

## 6. ACCIDENTAL RELEASE MEASURES (contd.)

ENVIRONMENTAL PRECAUTIONS Do not allow to enter watercourses.  
Discharge of small amounts to public sewers is normally permissible.

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 If large amounts are to be handled, wear suitable protective clothing according to item 8.

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No special requirements for exposure control – observe normal industrial hygiene practices.  
If large quantities are handled, it is advisable to wear eye protection and PVC or rubber gloves.

EXPOSURE LIMITS None assigned in EH40

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale Blue liquid	Oxidising properties	None
Odour	Slight fatty odour	Vapour pressure	Not relevant
pH	9	Relative density	0.99 – 1.01 (15°C)
Boiling point	102°C	Bulk density	Not relevant
Melting point	May separate at low temperature	Viscosity	As for water
Flash point	None	Solubility	Miscible with water
Flammability/autoflammability	Not relevant	Partition coefficient	No data
Explosive properties	No explosive	Other data	

## 10. STABILITY/REACTIVITY

STABILITY Stable  
CONDITIONS TO AVOID No special requirements  
MATERIALS TO AVOID No special requirements

## 11. TOXICOLOGICAL INFORMATION

Potassium oleate is not toxic and is a recognised food additive.

---

## 12. ECOLOGICAL INFORMATION

MOBILITY	The water-miscibility of the product suggests that it is likely to leach from soil into groundwater. There is no available data on sorption/desorption.
DEGRADABILITY	Readily biodegrades in the soil or in sewage treatment works.
ACCUMULATION	There is no evidence for bioaccumulation or biomagnification.
ECOTOXICITY	There is no evidence that the product is ecotoxic.

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## 13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT	Chemical residues are normally regarded as Special Waste. Dispose of in accordance with local and national regulations.
DISPOSAL OF PACKAGING	Uncleaned packaging should be treated as for the product. If thoroughly rinsed, it may be treated as general waste for incineration or landfill, according to regulations.

---

## 14. TRANSPORT INFORMATION

UN NO.	None assigned
PROPER SHIPPING NAME	
EMERGENCY ACTION CODE	
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous
	MFAG Table No.
	EmS No.
ICAO/IATA	Not classified as hazardous
PACKING GROUP	
LABEL	None

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## 15. REGULATORY INFORMATION

CLASSIFICATION Not classified as hazardous for supply

### LABEL INFORMATION

No precautionary information is given on the label.

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.

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**Irritant**

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MSDS Ref:  
TR205

Publication date  
01/08/2001

Revision date

**1. PRODUCT NAME** **TRI-REND**

**2. COMPOSITION**

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Sodium Metasilicate	6843-92-0	229-912-9	5.0	C, Corrosive	R34
Sodium Hydroxide	1310-72-2	215-185-5H	<1.0	C, Corrosive	R34

**3. HAZARD IDENTIFICATION**



**Irritant**

Irritating to eyes and skin.

**4. FIRST AID**

CONTACT WITH SKIN	Wash with plenty of water.
CONTACT WITH EYES	Wash out with water. Seek medical advice if irritation persists.
INGESTION	Rinse the mouth (do not swallow), and give copious fluids to drink. DO NOT INDUCE VOMITING
INHALATION	Remove to fresh air.
OTHER INFORMATION	Treat Symptomatically.

**5. FIRE-FIGHTING MEASURES**

SUITABLE EXTINGUISHING MEDIA	As appropriate to surrounding fire.
SPECIAL PROTECTIVE EQUIPMENT	No special requirements.

**1. ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS	Wear suitable protective clothing including eye/face protection and PVC or synthetic rubber gloves.
ENVIRONMENTAL PRECAUTIONS	Do not allow to enter watercourses. Discharge of small amounts to public sewers is normally permissible.
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

If large amounts are to be handled, wear suitable protective clothing according to item 8.

### STORAGE INFORMATION

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

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No special requirements for exposure control – observe normal industrial hygiene practices.

If large quantities are handled, it is advisable to wear eye protection and PVC or rubber gloves.

### EXPOSURE LIMITS

None assigned in EH40

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale Yellow Liquid	Oxidising properties:	None
Odour:	Slight Fatty Odour	Vapour pressure:	Not relevant
pH:	11	Relative density:	1.01 – 1.03
Boiling Point:	102°C	Bulk density:	Not relevant
Melting Point:	May separate at low temperature	Solubility:	Miscible with water
Flash Point:	None	Partition coefficient:	No data
Flammability/Automobility:	Not relevant	Other data:	
Explosive properties:	Not explosive		

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## 10. STABILITY/REACTIVITY

### STABILITY

Stable

### CONDITIONS TO AVOID

Storage in metal containers

### MATERIALS TO AVOID

Strong acids

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## 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: No data known

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## 12. ECOLOGICAL INFORMATION

### MOBILITY

The water-miscibility of the product suggests that it is likely to leach from soil into groundwater. There is no available data on sorption/desorption.

(Contd.)

**13. ECOLOGICAL INFORMATION (contd.)**

DEGRADABILITY	Readily biodegrades in the soil or in sewage treatment works.
ACCUMULATION	There is no evidence for bioaccumulation or biomagnification.
ECOTOXICITY	There is no evidence that the product is ecotoxic.

**14. DISPOSAL CONSIDERATIONS**

DISPOSAL OF PRODUCT	Chemical residues are normally regarded as Special Waste.
DISPOSAL OF PACKAGING	Uncleaned packaging should be treated as for the product. If thoroughly rinsed, it may be treated as general waste for incineration or landfill, according to regulations.

**15. TRANSPORT INFORMATION**

UN No.	None assigned
PROPER SHIPPING NAME	
EMERGENCY ACTION CODE	
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous
	MFAG Table No.
	EmS No.
ICAO/IATA	Not classified as hazardous
PACKING GROUP	
LABEL	None

**16. REGULATORY INFORMATION**

CLASSIFICATION: Irritant

LABEL INFORMATION:

IRRITATING TO EYES AND SKIN

INCASE OF CONTACT WITH EYES, Rinse immediately with plenty of water and seek medical advice.

WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION

KEEP OUT OF REACH OF CHILDREN

**17. OTHER INFORMATION**

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