



**Corrosive**

MSDS Ref:  
TR

Publication date  
30/04/2003

### Triton Systems

Units 3-5 Crayford Commercial Centre, Greyhound Way  
Crayford, Kent DA1 4HF

Tel: 01322 318830 Fax: 01322 524017

[www.tritonsystems.co.uk](http://www.tritonsystems.co.uk)

[info@tritonsystems.co.uk](mailto:info@tritonsystems.co.uk)

Revision date  
05/09/2011

## 1. PRODUCT NAME: **TRI-GEL (Ready to Use Waterbased D.P.C. gel)**

## 2. HAZARD IDENTIFICATION



**Corrosive**

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

## 3. 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

## 4. FIRST AID

CONTACT WITH SKIN:	Wash with plenty of water or soap and water. Remove contaminated clothing, shoes and 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. <b>DO NOT INDUCE VOMITING.</b>
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, 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 – 15 minute 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 incineration or landfill, according to regulations.

## 14. TRANSPORT INFORMATION

### INTERNATIONAL REGULATIONS

RAIL/ROAD (RID/ADR):	
UN No.	3266
Class	8
Item No.	56b
Hazard Identification No.	80
Labelling:	8 Corrosive
Packaging Group:	II
Proper Shipping Name:	Corrosive Liquid, Basic, Inorganic, N.O.S. Contains Potassium Methylsiliconate/Potassium Hydroxide.
Marine Pollutant:	No.

## 15. REGULATORY INFORMATION

CLASSIFICATION Corrosive (C)

### LABEL INFORMATION

CONTAINS POTASSIUM HYDROXIDE.

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.



## 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.*