


<b>MATERIAL SAFETY DATA SHEET</b> according to EU Directive 93/112/EC		
<b>MULTI-PURPOSE SUBSTRATE CLEANER (WATER BASED)</b>		
Version: 2	Print date: 11.1.17	

### 1. Identification of Substance

Product name: Multi-Purpose Substrate Cleaner Degreaser Water Based  
Company: Biokil Crown Limited  
7-8 Stadium Industrial Park  
Long Eaton, Nottingham NG10 2DD  
Telephone: 0115 946 0060  
Fax: 0115 946 9767

### 2. Composition/Information on Ingredients

A 100% water soluble, solvent free, aqueous alkaline blend of nonionic surfactants, emulsifiers and sequestrants

Hazardous Ingredients: CAS No: %w.w.(Range): Risk Phrases

Sodium Hydroxide 1310-73-2 <0.75 R35 Corrosive

Trisodium Nitrotriacetate 5064-31-3 <5.00 R36 Irritant  
(20% active solution) R22 Harmful

Alcohol ethoxylate (surfactant) <2.25 R36 Irritant

### 3. Hazards Identification

Product is supplied in a concentrated form is classed as IRRITANT under Chemicals (Hazard Information & Packaging) Regulations. Risk Phrases: 36/38: Irritating to eyes and skin.

### 4. First Aid Measures

General: Treat symptomatically. Ingestion: DO NOT INDUCE VOMITING. Give small sips of milk or water to drink and seek immediate medical attention. Eye Contact: Rinse immediately with large quantities of clean water. Seek medical attention. Skin Contact: Remove contaminated clothing. Wash affected area well with soap and water. If irritation persists seek medical attention

### 5. Fire Fighting Measures


Product is not flammable. Irritating fumes may be given off in the event of a fire. Treat fires with either dry chemical, foam or water-spray.

### 6. Accidental Release Measures

Spillages can be rinsed away to drain - dilute with plenty of water. Alternatively absorb spillage in inert material e.g. dry sand/earth and dispose of according to site regulations

### 7. Handling and Storage

Handling: For all cleaning/degreasing applications prevent contact with eyes by wearing safety glasses if necessary and wear protective rubber gloves if contact with the product is unavoidable.

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For all cleaning methods excluding Power wash and Hand Spraying: Observe good occupational hygiene.

For Power wash Use: This product is often used for hot and cold pressure wash cleaning. - avoid breathing vapour when spraying - always spray away at an angle to avoid blowback - and take care not to spray into the wind.

For Hand Spray Cleaning Use: The use of a Foam Head Sprayer for this cleaning application is recommended - sprays a solid foam, not a misting liquid. If cleaning with any other type of hand spray, use in jet spray mode. If used in spray mist mode, avoid breathing vapours. Do not mix this product with any other chemical. Do not use the product in galvanized buckets or containers (See Section 10)

Storage: Store away from children. Store at ambient temperature between 0°C and 30°C. Do not mix with any other chemicals. Always store in closed containers and ensure cap is replaced after use.

#### 8. Exposure Controls/Personal Protection

See Section 7 for specific applications exposure controls. For all cleaning/degreasing applications prevent contact with eyes by wearing safety glasses if necessary and wear protective rubber gloves if contact with the product is unavoidable. Always maintain a good standard of occupational hygiene when handling chemicals.

Occupational Exposure Standard (OES): Sodium Hydroxide L.T.E.L. 8 hrs Not set  
S.T.E.L. 15 mins 2mg/cubic metre

See Section 7 for best handling and use methods for Powerwash spraying.

#### 9. Physical and Chemical Properties

Appearance	Clear blue liquid
Odour	None
pH	13.5
Density (@20°C)	1.041 kg/litre
Flash Point	Not applicable
Solubility in Water	Soluble


#### 10. Stability and Reactivity

Product is stable under normal conditions. Do not allow to come into contact with aluminium or chrome or sensitive painted surfaces. Always test a small area first. Do not allow to dry onto surfaces being cleaned. This product may react with light metals such as aluminium, tin or zinc to evolve hydrogen which is highly flammable. Do not use in or on galvanized surfaces.

#### 11. Toxicological Information

No significant health hazard when properly used for the application it was designed for. Effects due to overexposure when:

In contact with eyes: Severe pain, redness, watering. May cause permanent damage.

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In contact with skin: Irritation/redness (also gives soapy feeling to skin). Degreases skin - may lead to redness/cracking.

Ingested: Sore mouth/throat, abdominal pain, vomiting.

### 12. Ecological Information

Product is considered to be biodegradable. Multi-Purpose Substrate Cleaner is classed as biodegradable and is free from all 'endocrine interruptor' alkylphenols and their derivatives. Multi-Purpose Substrate Cleaner is formulated to be: Fully biodegradable; Free from nonyl phenols; CHIP 3 compliant and not classified as Dangerous to the Environment Under CHIP 3 Regulations. Also see Section 16.

### 13. Disposal Considerations

Waste Treatment: Send the waste for disposal according to local laws and regulations.

Packaging Information: Re-use the containers when possible after thorough washing or send the waste containers to authorized landfills, according to local laws and regulations.

### 14. Transport Information

Proper shipping name: Corrosive N.O.S. (Contains sodium hydroxide and trisodium trinitriloacetate)

UN No: 1760 I.M.D.G.: Page No 8417

Hazard Class: 8

Packaging Group: 111

### 15. Regulatory Information

Neat undiluted product is classed as IRRITANT under CHIP Regulations. When used at dilutions in a ratio of >10:1 with water this product is not classified as Irritant under Chemicals (Hazard Information and Packaging) Regulations

Risk Phrases: 36/38: Irritating to eyes and skin

Safety Phrases: 2: Keep out of reach of children

24/25: Avoid contact with skin and eyes

26 :In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

36/37/39: Wear suitable protective clothing, gloves and eye/face protection



### 16. Other Information

Shelf Life + 2 years in unopened containers.

The responsibility to ensure safe working conditions within the workplace remains with the user. The information contained within this Safety Data Sheet (SDS) is given as a guide to the precautions required to maintain a safe work environment.

This product is for professional use only. Not for sale or resale to the general public. This

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product is sold for the application or applications stated on this SDS. Use for other applications may give rise to risks not covered by the information on this SDS. The physical and chemical properties on this SDS are typical properties, not a specification.

All information and instructions provided in this SDS are based on Biokil Crown current technical knowledge at the date indicated on the present SDS. Biokil Crown shall not be held responsible for any defect in the product covered by the SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.