

## EC MATERIAL SAFETY DATA SHEET.

### 1. Product and Manufacturer Identification:

Trade Name: **Citrosol**  
Manufacturer: Professional Protection Systems Limited  
Protection House  
Sherbourne Drive  
Tilbrook, Milton Keynes  
MK7 8HX  
Tel: 01908 272240  
Fax: 01908 371605

### 2. Composition and Information on Ingredients

Substance Name	Cas number	EINECS	Risk phrase
Non-ionic Surfactant			R22, 41
Orange Terpinenes	68647-72-3	8028-48-6	R10, 38, 50/53
Methoxy Propanol	107-98-2	203-539-1	R10,37/38,41,69
Monoethanolomine	141-43-5	205-483-3	R20, R36/37/38
Alkylbenzenesulphonic Acid	85117-49-3	285-599-9	R22, 35
Non-Classified Substances and Dyes To 100%			

### 3. Hazards Identification:

#### Health Effects - Inhalation:

Not expected to be a hazard under normal conditions of use.

#### Health Effects – Ingestion:

May cause significant systemic effects if swallowed. Signs and symptoms include possible nausea and/or vomiting.

#### Health Effects – Skin:

May cause significant skin irritation. Signs include redness and/or itching of skin.

#### Health Effects – Eyes

May cause severe damage to eyes accompanied by redness and/or burning, which may be severe with tear formation.

#### Environmental Effects:

Not expected to cause significant environmental impact.

### 4. First Aid Procedures

Skin Contact: Drench the affected skin with running water to remove all traces of product.  
Wash skin with soap and water.

Eye Contact: Bathe the eye with running water for 10 minutes.

Ingestion: Do not induce vomiting. If swallowing has occurred drink plenty of water and seek medical advice immediately.  
Never give anything by mouth to an unconscious person.

Inhalation: Remove casualty from exposure and allow to rest.

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### 5. Fire Fighting Measures

Not classed as flammable however if involved in fire may emit noxious fumes.  
Extinguish with Carbon dioxide (CO<sub>2</sub>), Dry chemical powder or water.  
Keep containers cool by water spray.  
Heating may cause pressure rise with risk of container bursting.  
In serious fire it may be necessary to wear compressed air breathing apparatus.

### 6. Accidental Release Measures

Small Spillages:  
Hose down with cold water.

Large Spillages:  
Construct temporary dikes with any suitable inert material to prevent the product spreading.  
Transfer to suitable containers for recovery or disposal.  
Wash down remaining material with water.  
Personal Precautions:  
Wear appropriate protective clothing. See Section 8.  
Material may create slippery conditions underfoot.

Environmental Precautions:  
Try to prevent the material from entering drains or watercourses.  
Advise Authorities if large spillage has entered watercourses or sewer or has contaminated soil or vegetation.

### 7. Handling and Storage

Handling:  
Avoid contact with eyes, skin and clothing.  
Keep container tightly closed when not in use.  
Storage:  
Store away from sources of heat or ignition.  
Store in original containers as supplied by manufacturer.

### 8. Exposure Controls/ Personal Protection

Occupational Exposure Standards:  
No occupational exposure limit listed in current editions of EH40 (UK Health and Safety Executive Threshold Limit Values) (American Conference of Governmental Industrial Hygienists.)  
The following protection is recommended.

Respiratory Protection: Not normally required.  
Hand Protection: PVC gauntlets.  
Body Protection: Wear protective overalls and impermeable safety shoes or boots.  
Eye Protection: Suitable safety glasses or goggles.  
Head Protection: In some cases it may be necessary to wear head protection.

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### 9. Physical and Chemical Properties

Physical State:	Clear Semi-Viscous Liquid
Colour:	Yellow
Odour:	Citrus/Orange
pH Value:	10.5 – 11.0 at 5% in water.
Boiling Range/Point:	>100 °C
Melting Point:	N/A
Flash Point:	>100 °C
Solubility in Water:	Soluble
Density (kg/m <sup>3</sup> )	ca 1010 at 20 °C
Viscosity:	N/A

### 10. Stability and Reactivity

Stability:  
Stable under normal conditions.

Conditions to avoid:  
Protect form frost.  
Do not mix with strong oxidisers.

Hazardous Decomposition Products:  
May generate oxides of carbon, sulphur and nitrogen.

### 11. Toxicological Information

Acute Toxicity:	Harmful by ingestion.
Irritation Skin:	This material is an irritant to the skin.
Irritation Eyes:	Expected to cause serious irritation to the eyes.

### 12. Ecological Information

Ecological Overview.	Not expected to cause significant environmental impact.
Mobility:	The product will dissolve in water.
Persistence / Degradability:	The product is readily biodegradable.
Bioaccumulation:	Inappropriate.
Ecotoxicity:	The product is toxic to aquatic organism.

### 13. Disposal

Product Disposal:  
When disposing of waste or surplus material avoid contact with the eyes and skin. See Section 8 for personal protection equipment.  
Where practical, surplus material should be recovered and recycled.  
Dispose of in accordance with all applicable local and national regulations.  
Seek advice from local waste authority or supplier for guidance.  
Container Disposal:  
Labels should not be removed from containers unless thoroughly washed and cleaned.  
Dispose of empty containers with care.

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14. Transport Information

Not classified as harmful for transport.

15. Regulatory Information

Labelling Information: Irritant



Risk Phrases:

R22: Harmful if swallowed.  
R36/38: Irritating to eyes and skin.

Safety Phrases:

S2: Keep out of reach of children.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28: After contact with skin, wash with plenty of water.  
S25: Avoid contact with eyes.  
S24: Avoid contact with skin.  
S27: Take off immediately all contaminated clothing.  
S36/37/39: Wear suitable protective clothing, gloves & eye/face protection.

Addition Classification Information.

This product is classified on the basis of information compiled by CESIO on the toxicological properties of surfactants.

16. Other Information

MSDS first issued 7<sup>th</sup> March 2005

MSDS Data revised 31st March 2005

Uses and restrictions:

General purpose cleaner and degreaser.

Disclaimer

The information contained in this document is intended to describe the product only in terms of health & safety and environmental requirements for the purpose of its safe handling, use and disposal and is to the best of the supplier's knowledge and belief correct. It is strongly advised the customer should satisfy themselves (by appropriate testing if necessary) that the product is suitable for their purpose and conditions of use and that their facilities and arrangements are suitable for handling or using the product. This information does not comprise a technical or performance specification for the product.