SAFETY DATA SHEET
FLASH DASH PROTECTANT

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product Name: FLASH DASH PROTECTANT
Product No: FDP375

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Car maintenance product

1.3. Details of the supplier of the safety data sheet
Supplier: TETROSYL LIMITED
BEVIS GREEN WORKS
WALMERSLEY
BURY
BL9 6RE
0161 764 5981
0161 797 5899
info@tetrosyl.com

1.4. Emergency telephone number
0161 764 5981

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Human Health
See section 11 for additional information on health hazards.

2.2. Label elements
Detergent Labelling:
< 5% Polycarboxylates
Perfumes
Contains Benzisothiazolinone, LIMONENE, METHYLISOTHIAZOLINONE

Risk Phrases
NC Not classified.

Safety Phrases
S2 Keep out of the reach of children.
S46 If swallowed, seek medical advice immediately and show this container or label.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
**FLASH DASH PROTECTANT**

<table>
<thead>
<tr>
<th>AMINOFUNCTIONAL SILICONE FLUID</th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.: 102782-92-3</td>
<td>EC No.:</td>
</tr>
<tr>
<td>Classification (EC 1272/2008)</td>
<td>Classification (67/548/EEC)</td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td>Xi;R36/38.</td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>AMMONIA ...%</th>
<th>&lt;0.5</th>
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<tbody>
<tr>
<td>CAS-No.: 1336-21-6</td>
<td>EC No.: 215-647-6</td>
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<tr>
<td>Classification (EC 1272/2008)</td>
<td>Classification (67/548/EEC)</td>
</tr>
<tr>
<td>Skin Corr. 1B - H314</td>
<td>C;R34</td>
</tr>
<tr>
<td>STOT Single 3 - H335</td>
<td>N;R50</td>
</tr>
<tr>
<td>Aquatic Acute 1 - H400</td>
<td></td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

**SECTION 4: FIRST AID MEASURES**

4.1. **Description of first aid measures**

General Information
Get medical attention if any discomfort continues. General first aid, rest, warmth and fresh air. NOTE! Effects may be delayed. Keep affected person under observation.

Inhalation.
Unlikely route of exposure as the product does not contain volatile substances.

Ingestion
Get medical attention if any discomfort continues. Immediately rinse mouth and drink plenty of water (200-300 ml).

Skin Contact
Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if any discomfort continues.

Eye Contact
Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Do not rub eye. Get medical attention if any discomfort continues.

4.2. **Most important symptoms and effects, both acute and delayed**

General Information
The severity of the symptoms described will vary dependant of the concentration and the length of exposure. NOTE! Effects may be delayed. Keep affected person under observation.

Inhalation.
No specific symptoms noted.

Ingestion
May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin Contact
Prolonged contact may cause redness, irritation and dry skin.

Eye Contact
May cause temporary eye irritation.

4.3. **Indication of any immediate medical attention and special treatment needed**

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!
FLASH DASH PROTECTANT

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Extinguishing Media
Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable Extinguishing Media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture
Hazardous Combustion Products
There are no anticipated hazardous decomposition products associated with this material.
Unusual Fire & Explosion Hazards
No unusual fire or explosion hazards noted.
Specific Hazards
Not relevant.

5.3. Advice for firefighters
Special Fire Fighting Procedures
No specific fire fighting procedure given.
Protective Measures In Fire
Leave danger zone immediately.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
For personal protection, see section 8. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions
Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up
No specific clean-up procedure noted.

6.4. Reference to other sections
Collect and dispose of spillage as indicated in section 13. For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Read and follow manufacturer's recommendations. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Avoid contact with eyes. Avoid eating, drinking and smoking when using the product.

7.2. Conditions for safe storage, including any incompatibilities
Keep upright. Store in tightly closed original container.

7.3. Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMMONIA ...%</td>
<td>WEL</td>
<td>18 mg/m3</td>
<td>25 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

8.2. Exposure controls
Flash Dash Protectant

Protective Equipment

Process Conditions
Use engineering controls to reduce air contamination to permissible exposure level.

Engineering Measures
No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

Respiratory Equipment
Respiratory protection not required.

Hand Protection
For prolonged or repeated skin contact use suitable protective gloves.

Eye Protection
Wear approved, tight fitting safety glasses where splashing is probable.

Other Protection
Wear suitable protective clothing as protection against splashing or contamination.

Hygiene Measures
Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range:</td>
<td>&gt;100°C</td>
</tr>
<tr>
<td>Melting Point (°C)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.000</td>
</tr>
<tr>
<td>Vapour Density (Air=1)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined.</td>
</tr>
<tr>
<td>pH-Value, Conc. Solution</td>
<td>7.0 - 9.0</td>
</tr>
<tr>
<td>Viscosity</td>
<td>3,000 - 5,000 cps</td>
</tr>
<tr>
<td>Decomposition Temperature (°C)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Odour Threshold, Lower</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Odour Threshold, Upper</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

Scientifically unjustified.
Flash Point (°C) >100°C
Auto Ignition Temperature (°C)
Not determined.
Flammability Limit - Lower(%) Not determined.
Flammability Limit - Upper(%) Not determined.
Partition Coefficient (N-Octanol/Water)
Not determined.
Oxidising Properties Not determined.

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No specific reactivity hazards associated with this product.

10.2. Chemical stability
No particular stability concerns.

10.3. Possibility of hazardous reactions
Not applicable.

10.4. Conditions to avoid
Not relevant.

10.5. Incompatible materials
Materials To Avoid
No incompatible groups noted.

10.6. Hazardous decomposition products
None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Toxic Dose 1 - LD 50 350 (Ammonia) mg/kg (oral rat)
Inhalation
Vapours are corrosive. After 24-36 hours, injured persons may develop serious shortness of breath and lung oedema. Gas or vapour is toxic or extremely irritating even on brief exposure. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Ingestion.
May cause chemical burns in mouth, oesophagus and stomach. Corrosive. Even small amounts may cause serious damage.
Skin Contact
Causes severe burns.
Eye Contact
Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.
Health Warnings
Because of quantity and composition, the health hazard is small.
FLASH DASH PROTECTANT

Medical Symptoms
Severe pulmonary irritation. Upper respiratory irritation. Nausea, vomiting.

Medical Considerations
Avoid vomiting and normal rinse of stomach because of risk of aspiration. Risk of chemical pneumonia after aspiration.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:
The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity
LC 50, 96 Hrs, Fish mg/l 0.74 Orangethroat Darter - Etheostoma Spectabile (Ammonia)

12.2. Persistence and degradability
Degradability:
There are no data on the degradability of this product.

12.3. Bioaccumulative potential
Bioaccumulative Potential:
No data available on bioaccumulation.

12.4. Mobility in soil
Adsorption/Desorption Coefficient
Not available.

12.5. Results of PBT and vPvB assessment
Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects
Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

General Information
When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

SECTION 14: TRANSPORT INFORMATION

General
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

14.2 UN Proper shipping name

14.3 Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION
FLASH DASH PROTECTANT

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Uk Regulatory References
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
EU Legislation
Water Hazard Classification
WGK 1

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

General Information
Only trained personnel should use this material.
Revision Comments
NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision Date 11/07/2011
Revision 9
Supersedes Date 01/07/2010 v8
Safety Data Sheet Status Approved.
Risk Phrases In Full
R34 Causes burns.
R36/38 Irritating to eyes and skin.
R37 Irritating to respiratory system.
R50 Very toxic to aquatic organisms.
Hazard Statements In Full
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.

Disclaimer
The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.