



SAFETY DATA SHEET

PART No. TR211

1. IDENTIFICATION OF THE PRODUCT

PRODUCT NAME: TR211 LIQUID BUFFER 1LTR
PRODUCT CODE: TR211
SUPPLIER: Autogem Invicta Ltd.
Autogem House
Abbey Road,
Park Royal
London NW10 7GJ
TEL: 00 44 (0) 208 838 0910
E-mail: sales@autogem.co.uk

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical name and synonyms: Proprietary blend citrus oils and hydrocarbons
Chemical family: Hydrocarbon
Nature of hazardous ingredients: n/a – non hazardous preparation

3. HAZARDS IDENTIFICATION:

4. FIRST AID MEASURES:

EYES: Flush with water as needed.
SKIN: Flush skin with soapy water, remove any contaminated clothing and shoes.
Don't allow saturated clothing to remain in contact with skin for prolonged periods.
INHALATION: If the liquid is inhaled into the lungs seek immediate medical help.
INGESTION: Do not induce vomiting. May be harmful if ingested into the lungs.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Water fog, CO₂, dry chemical or foam. The use of water streams should be avoided as this will tend to spread the fire.
Specific hazard: Burning product will liberate CO₂ and possibly CO, avoid breathing smoke.
Precautions: Stay upwind of fire.
Recommended equipment: Suitable self contained breathing apparatus should be used in confined areas.

6. ACCIDENTAL RELEASE MEASURES:

Small spills: Absorb with dry sand or oil absorbent, dispose of as dry oil waste.
Large spills: Review fire hazard and use appropriate equipment. Dike and recover any uncontaminated material. Used or contaminated product should not be allowed to enter public waterways. Remainder of product should be disposed of as above.



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7. HANDLING AND STORAGE:

Handling and storage: None outside of normal good warehouse practices.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Engineering: Care should be taken to ensure that any plant used in conjunction with this product runs within the product's working temperature range.

Ventilation: Adequate natural ventilation will suffice in most instances.

Respiratory: None required in normal use.

Eyes protection: Not required unless contaminated product is likely to come into contact with eyes.

Skin protection: The use of Nitrile rubber gloves and/or apron is advised. Natural rubber will deteriorate on prolonged contact.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Boiling point: 180-239°C [ASTIM 1087]

Density: 0.798 g/d

Vapour density: 4.5 @ 80°C [Air = 1]

Viscosity: 1.97mm²/S [IP71]

Solubility in water: Insoluble

pH value: No data available

Flash point: 67°C [PMCC]

Auto ignition point: 180°C [ASTIM E659]

Explosive limits: Lel – 0.6% @ 28°C

Uel – 6.5% @ 28°C

Dielectric strength: 50,000v

Appearance: Orange liquid

Odour: Citrus

10. STABILITY AND REACTIVITY:

Hazardous decomposition: As with any organic material, combustion will liberate carbon dioxide and / or carbon monoxide.

Incompatibility: Avoid contact with strong oxidising agents.

11. TOXICOLOGICAL INFORMATION:

Oral: Non-toxic, LD50, 17,750mg/kg

Inhalation: No toxic manifestations known

Eye: Non-irritant [DEI score 000]

Primary skin: Non-irritant [PSI index 0.2]

Muscle tissue: No deleterious effects

Other: Prolonged skin contact may aggravate dermatitis in sensitive individuals. Nitrile gloves are



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recommended in such situations.

12. ECOLOGICAL INFORMATION:

Biodegradation [USA]: Biodegradable.
Biodegradation [EEC]: Inherently biodegradable [OECD]

13. DISPOSAL CONSIDERATIONS:

Disposal: This product is classified as INHERENTLY BIODEGRADABLE. In its virgin state it may be disposed of as oil waste. Used or contaminated waste should be disposed of in accordance with the contaminant.

14. TRANSPORT INFORMATION:

Special handling: None
Hazard class: ADR class – 3.32c

15. REGULATORY INFORMATION

Index name and No.: Proprietary blend
Classification: Non-hazardous
Hazard detail and EEC No.: Proprietary blend

6. OTHER INFORMATION:

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