

L A Brook Group

01924 277 026

PRODUCT DATA SHEET

Application details and Health and Safety Data

Product Code: 28-PLUS

TFR PLUS

Multi purpose high pressure detergent with wax

A concentrated detergent for high pressure machines. Designed to remove traffic film or degrease engines, chassis and components. This product contains wax for a superior finish.

Directions for use

Optimum working concentration is around 1% at the point of application, with either hot or cold water. For the greatest safety and economy, adjust the detergent feed to be just sufficient to give the required cleaning action. Minimise contact with alkali sensitive surfaces. Rinse the cleaned surface with water, not allowing the cleaning solution to dry on. Machine manufacturers recommend you run plain water through the machine after use.

Please refer to product safety data sheet before use. Use only as directed.

Some product features and benefits

WAX FORMULATION : SUPERB FINISH READY
TO USE : RAPID RESULTS COST EFFECTIVE :
ECONOMICAL IN USE

CHIP 3 HEALTH AND SAFETY DATA SHEET

Section 1 Identification of the substance/preparation and company

Product code: 28-PLUS

Name: **TFR PLUS**
Intended use: Multi purpose high pressure detergent with wax

Supplier: L.A.Brook Limited
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Section 2 Composition/ information on ingredients

Material	CAS number	Level	Hazards (see section 16)
Sodium hydroxide	1310-73-2	0.5-2.0%	C R35
Trisodium nitrilotriacetate	5064-31-3	1-5%	Xn R22 R36/38
Anionic surfactant	13150-00-0	1-5%	Xi R36/38

Section 3 Hazards identification CHIP classification Irritant

Eye hazard: Will cause irritation.
Skin hazard: Will cause irritation.
Respiratory: Breathing spray mist may cause irritation. hazard:
Flammability: Not combustible. hazard:
Other hazards:

Section 4 First aid measures

Eye contact: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.
Skin contact: Remove contaminated clothing, wash skin with water and seek medical attention if irritation persists.
Inhalation: If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.
Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

Section 5 Fire fighting measures

Not applicable.

Section 6 Accidental release measures

Small quantities, flush to foul sewer with a large quantity of water.
Large quantities, contain and absorb or pump into suitable containers for disposal.

Section 7 Handling and storage

Store in a cool, dry place protected from frost and away from acids and strong oxidising agents. Store upright in original containers.

Directions: Optimum working concentration is around 1% at the point of application, with either hot or cold water. For the greatest safety and economy, adjust the detergent feed to be just sufficient to give the required cleaning action. Minimise contact with alkali sensitive surfaces. Rinse the cleaned surface with water, not allowing the cleaning solution to dry on. Machine manufacturers recommend you run plain water through the machine after use. Use only as directed.

Shelf life: 24 months in good conditions

Section 8 Exposure controls/ personal protection

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection: Wear chemical splash goggles to BS EN 166 34B

Hand protection: Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments

Body protection: As necessary to prevent contact.

Respiratory protection: Use in a well ventilated area, avoid breathing spray mist, wear a protective mask to EN149 if necessary.

Other protection:

Personal protective equipment:



Occupational exposure limits

Sodium hydroxide 2mg/m³ OES 15 min STEL

Section 9 Physical and chemical properties

Appearance: Pink liquid

Odour: Characteristic

pH: 10.4 1% in water (typical).

Boiling point: 100°C.

Melting point: Not applicable.

Flash point: None.

Auto-ignition temperature: None.

Explosive properties: None.

Oxidising properties: None.

Vapour pressure: 17.5mm Hg at 20°C. Relative density at 20 C 1.051

Solubility: Miscible with water.

Viscosity: Free flowing.

Section 10 Stability and reactivity

Conditions to avoid: Extremes of temperature.

Materials to avoid: Incompatible with strong oxidising agents and acids

Hazardous decomposition products: None known.

Section 11 Toxicological information

Eye contact: Will cause irritation.
Skin contact: Will cause irritation.
Inhalation: Breathing spray mist may cause irritation.
Ingestion: Moderate toxicity, will cause irritation to gastro-intestinal tract due to alkalinity.
Long term: Based on current knowledge, no long term effects are anticipated if used correctly.

Section 12 Ecological information

May affect aquatic organisms due to high pH if released into water courses untreated. Water based product. All organic ingredients are biodegradable when well diluted.

Volatile organic content 0 % w/w 0 g/lit

Section 13 Disposal considerations

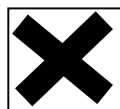
Process effluent can normally be discharged to foul sewer (subject to consent limits).
Large quantities, dispose via a licensed chemical waste contractor.
Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

Section 14 Transport information

Transport Classification: Not classified
UN number not classified Transport class: Packing group:

Section 15 Regulatory information

CHIP Classification: Irritant



Irritant

Product risk and safety phrases

R36/38 Irritating to eyes and skin.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S2 Keep out of reach of children.

Relevant UK law: Chemicals (hazard information and packaging) Regulations (CHIP). Control of substances hazardous to health regulations (COSHH, COSHH essentials). For guidance see www.hse.gov.uk, www.dti.gov.uk/chemicals.

Section 16 Other information

R phrases relating to ingredients(see section 2)

R35 Causes severe burns.
R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.

This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.