

This data sheet covers Transnet Extra MPD sold on www.tradeshopdirect.co.uk

General Description

Transnet Extra MPD is a powerful yet versatile non caustic multi purpose detergent. It can be used for most cleaning tasks including interior cleaning, exterior traffic film removal, engine and chassis cleaning and garage floors. It contains a special blend of high quality biodegradable surfactants, detergents and sequestrants which provide a superior cleaning action at lower temperatures. Transnet Extra MPD contains corrosion inhibitors and is free from caustic, phosphates, acids, solvents and butyl ingredients.

Features Benefits

- Based on a sophisticated blend of detergents and sequestrants
- Low Temperature
- Contains corrosion inhibitors
- Rapid removal of road dirt, grease and most types of soiling, Effective and economical.
- Cleans more effectively at lower temperatures
- Provides protection against scaling and corrosion.

Approved to 4 Rail Services document No.R17702, product formerly known as Applied Chemicals 4905 – Hard Surface Cleaning.

Approved to 4 Rail Services document No.R16971, product formerly known as Applied Chemicals 4905 – Rolling Stock Cleaning.

Uses

Transnet Extra MPD can be used for cost effective cleaning and removal of a variety of soils including road film, oil, grease from bus floors, tiles, garage and workshop floors, fabric and vinyl seating and general purpose cleaning at the recommended dilutions. The product can be used either hot or cold, through a variety of equipment including spray arches, hot or cold, high or low pressure equipment.

Directions For Use

Dilution should be set according to the task to be undertaken. Accurate dilution can be supplied using pre-set dispensing stations.

Light soiling or bus and truck interiors 1 part Transnet Extra MPD to 50 parts water. Apply by spray, brush or swab and then rinse with clean water.

Heavy soiling of hard surfaces within the interiors of buses use from 1 part Transnet Extra MPD to 9 parts water. Always check for compatibility if the chemical resistant of the substrate is unknown.

Heavy soiling of engines, chassis etc., dilute 1 part Transnet Extra MPD to 15 parts water and apply by hot or cold pressure washer or foam application systems. Rinse with water.

Workshop and garage floors etc., with normal soiling:- dilute 1 part Transnet Extra MPD with 25 parts water and apply by spray, can or floor scrubbing equipment.

Light soiling on exterior paintwork:- dilute 1 part Transnet Extra MPD with 50 parts water and apply by spray, foam or brush. Avoid application to very hot paintwork or in direct sunlight. Do not allow the product to dry on paintwork. Always rinse thoroughly.

Recommended Dilutions

Manual : 1:3 - 1:20 parts with water

Steam Cleaning: 1:20 - 1:100 with parts with water

Dip tanks: Use neat or diluted in up to 10 parts water

Physical Characteristics

Appearance	Clear straw liquid
Odour	Lemon
Solubility	Completely soluble in water
Flamability	None Flammable
pH (Concetrated)	12.5
pH (Working Solution)	11.0

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

1.1. Product identifier

Product name TRANSNET EXTRA MPD
Product No. A1002TN

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Detergent.

1.3. Details of the supplier of the safety data sheet

Supplier Trade Shop Direct,
7-10 Ashley Park,
Common Road,
Witchford, CB6 2HZ, ENGLAND
Tel: 01353665141

1.4. Emergency telephone number

01353665141 (09:00 - 17:00 hrs, Mon - Fri)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.
Human health
Splashes may cause serious eye damage.

2.2. Label elements

Risk Phrases
NC Not classified.
Safety Phrases
P13 Safety data sheet available for professional user on request.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ETHOXYLATED ISOTRIDECANOL 1-5%

CAS-No.: 24938-91-8 EC No.:

Classification (67/548/EEC)

Xn;R22.

Xi;R41.

Classification (EC 1272/2008)

Acute Tox. 4 - H302

Eye Dam. 1 - H318

Registration Number: 02-2119552461-55-0000

1,2,3-PROPANE TRIOL 1-5%

CAS-No.: 56-81-5 EC No.: 200-289-5

Classification (67/548/EEC)

Not classified.

Classification (EC 1272/2008)

Not classified.

Registration Number: 01-2119471987-18-XXXX

DISODIUM METASILICATE 1-5%

CAS-No.: 6834-92-0 EC No.: 229-912-9

Classification (67/548/EEC)

C;R34

Xi;R37

Classification (EC 1272/2008)

Met. Corr. 1 - H290

Skin Corr. 1B - H314

STOT SE 3 - H335

Registration Number: 01-2119449811-37-xxxx

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

If medical attention is required present a copy of this datasheet to the physician.

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. DO NOT INDUCE VOMITING!

Skin contact

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

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

Inhalation.

No specific symptoms noted.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing.

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Use air-supplied respirator during fire fighting.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Avoid contact with skin and eyes. 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

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep above the chemical's freezing point to avoid rupturing the container.

Storage Class

Chemical storage.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name STD TWA - 8 Hrs STEL - 15 Min Notes

1,2,3-PROPANE TRIOL WEL 10 mg/m³

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment

Engineering measures

No particular ventilation requirements.

Respiratory equipment

No specific recommendations.

Hand protection

Protective gloves must be used if there is a risk of direct contact or splash.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Skin protection

Wear apron or protective clothing in case of splashes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Clear Liquid

Colour Straw.

Odour Lemon.

Solubility Miscible with water

Relative density 1.05 @ 20 °C

pH-Value, Conc. Solution 13

pH-Value, Diluted Solution 11.1 @ 2 %

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Avoid contact with acids and oxidising substances. In contact with metals generates hydrogen gas, which together with air can form explosive mixtures.

10.5. Incompatible materials

Materials To Avoid
Strong oxidising substances. Strong acids.

10.6. Hazardous decomposition products

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information
No information available.
Inhalation
No specific health warnings 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
Extreme irritation of eyes and mucous membranes, including burning and tearing.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Not regarded as dangerous for the environment.

12.1. Toxicity

Acute Fish Toxicity
Not considered toxic to fish.

12.2. Persistence and degradability

Degradability
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Contact supplier for disposal information. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1760

UN No. (IMDG) 1760

14.2. UN proper shipping name

Proper Shipping Name Corrosive Liquid n.o.s. (contains Sodium Metasilicate)

14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 8: Corrosive substances.

IMDG Class 8

Transport Labels

14.4. Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

14.5. Environmental hazards

14.6. Special precautions for user

EMS F-A, S-B

Tunnel Restriction Code (E)

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Statutory Instruments

Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration,

Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive

1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive

76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Regulation (EC)

No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of

substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and Use of Transportable

Pressure Equipment Regulations 2009 ("CDG 2009"), SI 2009 No 1348

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

ADR: European Agreement concerning the International Carriage of dangerous Goods by Road.

IMDG: International Maritime Code for Dangerous Goods.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

EINECS: European Inventory of Existing Commercial Chemical Substances.

CAS: Chemical Abstract Service.

DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration.

LD50: Lethal dose, 50 percent.

LC50: Lethal concentration, 50 percent.

WEL: Workplace Exposure Limit.

STEL: Short Term Exposure Limit.

TWA: Time Weighted Average.

PBT: Persistent Bioaccumulative Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

General information

For further information or advice contact our technical service line during regular office hours on 0121-524-1000.

This safety data sheet has been compiled for the product as supplied, properties and hazards will vary if the product is diluted with water or mixed with any other material.

Revision Comments

The information contained herein is based on known available data believed to be reliable but does not constitute the users own assessment of the work place risk as required by other Health and Safety Legislation.

Revision Date 06-02-2015

Revision 1

Safety Data Sheet Status Approved.

Date 06-02-2015

Signature Health and Safety Manager.

Risk Phrases In Full

R34 Causes burns.

R22 Harmful if swallowed.

R37 Irritating to respiratory system.

NC Not classified.

R41 Risk of serious damage to eyes.

Hazard Statements In Full

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.