



Clemas & Co Ltd

Industrial Cleaning Equipment
Sales - Hire - Service

Heavy Duty Chemical

Product Description:

Heavy Duty Chemical is an excellent all-purpose heavy duty TFR for use in heavy fleet cleaning, MOT work and heavy degreasing. It cuts through stubborn grease and grime on tractors, trailers, plants, lifts, curtains and parts cleaning etc. It can also be used for heavy duty cleaning in interior of food transport vehicles.

Directions:

USAGE DESCRIPTION

- Heavy Duty TFR should be diluted 4:1 prior to dosing into your pressure washer. Diluted product can be used hot or cold in the normal way via a pressure washer. For best results use hot.
- Apply the solution to the surface of the vehicle at low or high pressure working from the bottom of the vehicle upward to avoid cleaning-streaks over dry areas of the vehicle.
- In hot weather cool paintwork with water before applying chemical. Do not allow the chemical to dry on the surface.
- Rinse with a bucket, hose or pressure washer from the top of the vehicle rinsing downwards evenly and methodically.

Dilution:

Pre-diluted 4:1 to give a TFR that can be used as outlined below:

Light Soiling: 1% (100:1)
Medium Soiling 2% (50:1)
Heavy Soiling 3% (30:1)

Physical and chemical properties:

Appearance	Liquid
Colour	Amber.
Odour	Characteristic.
Relative density	1.035
pH – Value	Conc.Solution 12.8



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PRODUCT SAFETY DATA SHEET

IDENTIFICATION

Product Name: Heavy Duty Chemical

Supplier: Clemas & Company Limited
Unit 5 Ashchurch Business Centre
Tewkesbury, Gloucestershire GL20 8NB
Tel: 01684 850777
Fax: 01684 850707

COMPOSITION/INFORMATION INGREDIENTS

Substance name	Value(s)	CAS no
Name	CAS-No.	Classification
C9-11 ALCOHOL	68439-46-3	Xn;R22. Xi;R41.
ETHOXYLATE		
SODIUM	1310-73-2	C;R35
HYDROXIDE		

HAZARDS IDENTIFICATION

Irritating to eyes and skin.

CLASSIFICATION (1999/45):

Xi;R36/38.

FIRST AID MEASURES

Inhalation: In case of inhalation of spray mist: Move person into fresh air and keep at rest. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion: Rinse mouth thoroughly. Get medical attention if any discomfort continues. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

Skin contact: Remove affected person from source of contamination. Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

Eye contact: Remove affected person from the source of contamination. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

FIRE-FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:

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

SPECIAL FIRE FIGHTING PROCEDURES:

No specific firefighting procedure given.

UNUSUAL FIRE & EXPLOSION HAZARDS:

No unusual fire or explosion hazards noted.

SPECIFIC HAZARDS:

Not relevant

ENVIRONMENTAL PRECAUTIONS:

Do not discharge into drains, water courses or onto the ground.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Wear protective clothing as described

SPILL CLEAN UP METHODS:

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

HANDLING AND STORAGE

USAGE PRECAUTIONS:

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS:

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS:

Chemical storage.

EXPOSURE CONTROLS/ PERSONAL PROTECTION

Name	STD	STEL - 15 Min
SODIUM HYDROXIDE WEL		2 mg/m3

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



STABILITY & REACTIVITY

STABILITY: Stable under normal temperature conditions.

CONDITIONS TO AVOID:

Avoid excessive heat for prolonged periods of time.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).



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ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

TOXICOLOGICAL INFORMATION

INHALATION

In high concentrations, vapors may irritate throat and respiratory system and cause coughing.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Liquid may irritate skin.

EYE CONTACT

Irritating to eyes.

ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

DISPOSAL CONSIDERATIONS

Dispose of waste and residues in accordance with local authority requirements.

TRANSPORT INFORMATION

ROAD TRANSPORT NOTES	Not classified
RAIL TRANSPORT NOTES	Not classified.
SEA TRANSPORT NOTES	Not classified.
AIR TRANSPORT NOTES	Not classified.
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.

UN NO. ROAD N/A

REGULATORY INFORMATION LABELLING



RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

S60 This material and its container must be disposed of as hazardous waste.

Detergent Labelling

< 5% non-ionic surfactants amphoteric surfactants polycarboxylates.

OTHER INFORMATION

EU DIRECTIVES

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.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

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).

NATIONAL REGULATIONS

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

Further information:

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RISK PHRASES IN FULL

R35 Causes severe burns.
R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R41 Risk of serious damage to eyes.