



PMD (UK) LIMITED

SAFETY DATA SHEET ALKALINE CLEANER LF

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME ALKALINE CLEANER LF
 PRODUCT NO. 206039
 APPLICATION Metal surface treatment
 SUPPLIER PMD (UK) Limited
 Broad Lane
 Coventry
 CV5 7AY
 Tel: 024 764 666 91
 Fax: 024 764 730 34

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	30-60%	C;R35
SODIUM METASILICATE	229-912-9	6834-92-0	10-30%	C;R34.
SODIUM CARBONATE	207-838-8	497-19-8	10-30%	Xi;R36

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS
 Contains surface active agents

3 HAZARDS IDENTIFICATION

Causes severe burns.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Remove affected person from source of contamination. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT

Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXPLOSION HAZARDS

May develop highly toxic or corrosive fumes if heated.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

ALKALINE CLEANER LF

SPILL CLEAN UP METHODS

DO NOT touch spilled material. Wear necessary protective equipment. Shovel into dry containers. Cover and move the containers. Flush the area with water. Inform Authorities if large amounts are involved.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Eye wash facilities and emergency shower must be available when handling this product.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 5°C and 30°C.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
SODIUM HYDROXIDE	WEL				2 mg/m3

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

Dust mask/respirator.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Use approved 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 at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Powder, dust
COLOUR	White
SOLUBILITY	Soluble in water.
pH-VALUE, DILUTED SOLUTION	>12 @ 5%

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid contact with acids and oxidising substances.

MATERIALS TO AVOID

Strong oxidising substances. Strong acids.

11 TOXICOLOGICAL INFORMATION

ALKALINE CLEANER LF

INHALATION

May cause irritation to the respiratory system.

INGESTION

May cause chemical burns in mouth and throat.

SKIN CONTACT

Causes severe burns.

EYE CONTACT

Causes burns. Risk of serious damage to eyes.

ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact.

Name	SODIUM HYDROXIDE
Toxic Dose 1 - LD 50	40 mg/kg (oral-mouse)
Name	SODIUM METASILICATE
Toxic Dose 1 - LD 50	1280 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

ACUTE FISH TOXICITY

Concentrations which give high pH may be fatal to fish and aquatic organisms.

Name	SODIUM HYDROXIDE
LC 50, 96 Hrs, FISH mg/l	125

Degradability

Degrades readily by reaction with natural carbon dioxide.

Acute Fish Toxicity

Concentrations which give high pH may be fatal to fish and aquatic organisms.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION



UK ROAD CLASS	8		
PROPER SHIPPING NAME	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE, SODIUM METASILICATE)		
UN NO. ROAD	3262	UK ROAD PACK GR.	II
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	2X
CEFIC TEC(R) NO.	80GC6-II+III	RID CLASS NO.	8
RID PACK GROUP	II	UN NO. SEA	3262
IMDG CLASS	8	IMDG PACK GR.	II
EMS	F-A, S-B	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	3262
AIR CLASS	8	AIR PACK GR.	II

15 REGULATORY INFORMATION

LABELLING

ALKALINE CLEANER LF



Corrosive

CONTAINS

SODIUM HYDROXIDE
SODIUM METASILICATE

RISK PHRASES

R35 Causes severe burns.

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.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

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

UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

INFORMATION SOURCES

Dangerous Properties of Industrial Chemicals, N.Sax, Croner's: Dangerous Substances. Croner's: Emergency Spillage Guide. Croner's: Substances Hazardous to Health. Material Safety Data Sheet, Misc. manufacturers.

REVISION DATE 04/09/2006

REV. NO./REPL. SDS GENERATED 1

RISK PHRASES IN FULL

R34 Causes burns.

R35 Causes severe burns.

R36 Irritating to eyes.

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.