

# SAFETY DATA SHEET

## METEX PS ACTIVAX

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**PRODUCT NAME** METEX PS ACTIVAX  
**PRODUCT NO.** EU86115, 186115, PSG8X06115  
**APPLICATION** Alkaline Cleaner  
**SUPPLIER** MacDermid plc  
 Palmer Street  
 Bordesley  
 Birmingham  
 B9 4EU  
 tel: +44 (0) 121 606 8100  
**CONTACT PERSON** sdsuk@macdermid.com  
**EMERGENCY TELEPHONE** 24 Hour Emergency Incident Number +44 (0)208 762 8322

### 2 HAZARDS IDENTIFICATION

Causes severe burns.

**CLASSIFICATION** C;R35.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	30-60%	C;R35
TETRASODIUM PYROPHOSPHATE	231-767-1	7722-88-5	10-30%	-
DISODIUM METASILICATE PENTAHYDRATE	229-912-9	10213-79-3	10-30%	C;R34. Xi;R37.
SODIUM CARBONATE	207-838-8	497-19-8	10-30%	Xi;R36
SECONDARY ALCOHOL ETHOXYLATE		68131-40-8	< 1%	N;R51/53.

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

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

Remove affected person from source of contamination. Chemical burns must be treated by a physician.

#### INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention immediately!

#### INGESTION

Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Rinse nose, mouth and throat with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention immediately!

#### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention immediately.

#### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. To hospital or eye specialist.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

#### SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

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## UNUSUAL FIRE & EXPLOSION HAZARDS

Beware, risk of formation of toxic and corrosive gases.

## PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Eye contact MUST be prevented by means of suitable personal protection equipment. In case of inadequate ventilation, use respiratory protection.

### ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Avoid release to the environment.

### SPILL CLEAN UP METHODS

Wear necessary protective equipment. Avoid generation and spreading of dust. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Do not contaminate water sources or sewer. Inform Authorities if large amounts are involved.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid inhalation of dust. Do not handle broken packages without protective equipment. Use mechanical ventilation in case of handling which causes formation of dust. Avoid eating, drinking and smoking when using the product. Observe good industrial hygiene practices.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

### STORAGE CLASS

Corrosive storage.

**MIN. STORAGE TEMP (°C)** 5

**MAX. STORAGE TEMP (°C)** 40

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
SODIUM HYDROXIDE	WEL				2 mg/m3	
TETRASODIUM PYROPHOSPHATE	WEL		5 mg/m3			

WEL = Workplace Exposure Limit.

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of dust. All handling to take place in well-ventilated area.

### RESPIRATORY EQUIPMENT

Respiratory protection must be used if air contamination exceeds acceptable level. Seek advice from supervisor on the companies' respiratory protection standards.

### HAND PROTECTION

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

### EYE PROTECTION

Wear full-face visor or shield.

### OTHER PROTECTION

Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of skin contact.

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## HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes contaminated. Contaminated clothing to be placed in closed container until disposal or decontamination. Warn cleaning personnel of chemical's hazardous properties. Eating, smoking and water fountains prohibited in immediate work area.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE</b>	Crystalline powder
<b>COLOUR</b>	White / off-white
<b>ODOUR</b>	No characteristic odour.
<b>SOLUBILITY</b>	Soluble in water.
<b>pH-VALUE, DILUTED SOLUTION</b>	13.00 @1%

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## 10 STABILITY AND REACTIVITY

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### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Do not add water directly to the product. It may cause a violent reaction. The solution is strongly alkaline and reacts with strong acids with heat generation. May attack light-alloy metals and liberate hydrogen gas.

### MATERIALS TO AVOID

Strong acids.

### HAZARDOUS DECOMPOSITION PRODUCTS

None under normal conditions. Fire or high temperatures create: Oxides of: Carbon. Sodium.

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## 11 TOXICOLOGICAL INFORMATION

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### INHALATION

Dust may irritate respiratory system or lungs. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

### INGESTION

Causes severe burns. May cause chemical burns in mouth, oesophagus and stomach. Swallowing concentrated chemical may cause severe internal injury.

### SKIN CONTACT

Causes severe burns. May cause serious chemical burns of the skin.

### EYE CONTACT

Causes severe burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

### SPECIFIC EFFECTS

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

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## 12 ECOLOGICAL INFORMATION

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### ECOTOXICITY

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

### WATER HAZARD CLASSIFICATION

WGK 1

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## 13 DISPOSAL CONSIDERATIONS

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### GENERAL INFORMATION

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### DISPOSAL METHODS

Environmental manager must be informed of all major spillages. Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

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## 14 TRANSPORT INFORMATION

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<b>UK ROAD CLASS</b>	8		
<b>PROPER SHIPPING NAME</b>	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE AND DISODIUM TRIOXOSILICATE)		
<b>UN NO. ROAD</b>	UN3262	<b>UK ROAD PACK GR.</b>	II
<b>ADR CLASS NO.</b>	8	<b>ADR CLASS</b>	Class 8: Corrosive substances.
<b>ADR PACK GROUP</b>	II	<b>HAZARD NO. (ADR)</b>	80 Corrosive or slightly corrosive substance.
<b>UN NO. SEA</b>	UN3262	<b>IMDG CLASS</b>	8
<b>IMDG PACK GR.</b>	II	<b>EMS</b>	F-A, S-B
<b>MARINE POLLUTANT</b>	No.	<b>UN NO. AIR</b>	UN3262
<b>AIR CLASS</b>	8	<b>AIR PACK GR.</b>	II

## 15 REGULATORY INFORMATION

### LABELLING



Corrosive

**CONTAINS** SODIUM HYDROXIDE

### RISK PHRASES

R35 Causes severe burns.

### SAFETY PHRASES

- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
- S24/25 Avoid contact with skin and eyes.
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- S60 This material and its container must be disposed of as hazardous waste.

### EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### 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.

## 16 OTHER INFORMATION

**REVISION DATE** 05/08/2008

### SAFETY DATA SHEET STATUS

Approved.

**SIGNATURE** BH

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## RISK PHRASES IN FULL

NC	Not classified.
R34	Causes burns.
R35	Causes severe burns.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## DISCLAIMER

This information relates only to the specific material as supplied and may not be valid for such material if used in combination with any other material(s) or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. The data should not be construed as guaranteeing specific properties of the product described or its suitability for a particular application, nor does it make any warranty, either express or implied of merchantability for the product itself. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.