



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

SC 45

Production Scale Inhibitor

## MATERIAL SAFETY DATA SHEET

**SECTION 1:**  
 Identification of Substance/  
 Preparation and Company  
 undertaking

**Product Name:** Blend of .phosphonates in water  
**Product No:** SC 45  
**Application:** Production Scale Inhibitor  
**Supplier:** Saudi Chem Co.  
**Address:** P.O. Box 70108  
 Al Khobar 31952  
 Kingdom of Saudi Arabia  
**Telephone:** +966 13 812 1166 | +966 13 847 6467  
**Fax:** +966 13 847 6985  
**Email:** solutions@saudichem.com

**SECTION 2:**  
 Hazards Identification

**Classification (65/548)**  
 Xn; R22.C; R34  
**Classification(EC) 1272/2008)**  
**Physical** Not classified  
**Health** Not classified  
**Environmental** Not classified

**Label in accordance with (EC) 1272/2008** 

**Signal Word** Harmful  
**Hazard statements:**  
**H302** Harmful if swallowed

**Precautionary statements**  
**P280** Wear protective gloves/protective clothing/eye protection/face protection  
**P305/351/338** If in eyes, rinse with water for several minutes. Remove contact lenses, if able. Continue rinsing.  
**P330** Rinse mouth. Dispose of contents/container to hazardous waste collection point.  
 No available Information

**SECTION 3:**  
 Composition/Information on  
 Ingredients

**SECTION 4:**  
 First Aid Measures

**Inhalation** Move the person to fresh air at once  
**Ingestion** immediately rinse out mouth and drink 200 to 300mls of water. Do not induce vomiting. Provide rest and warmth. Seek medical attention  
**Skin Contact** If molten chemical gets onto skin, immediately flush with plenty of water. Remove any contaminated clothing and seek medical attention.  
**Eye Contact** Immediately flush with water for 15 minutes. Remove contact lenses if possible, and open eyes wide apart to make sure contamination is washed away during a further 15 minutes rinsing.

**SECTION 5:**  
 Fire Fighting Measures

**Extinguishing media** Extinguish with foam, or carbon dioxide, or dry powder, or fog  
**Special Procedures** Keep run off water out of sewers and water sources. Dike for water control  
**Specific Hazards** When heated and in case of fire, harmful vapours of Carbon Dioxide and nitrogen may be formed  
**Protective measures** Self contained breathing apparatus and full protective clothing must be worn

**SECTION 6:**  
 Accidental Release Measures

**Personal Precautions** Wear protective clothing as specified in Section 8. Avoid inhalation of spray mist and contact with eyes and skin. Provide adequate ventilation.  
**Environmental Precautions** Spillages or uncontrolled discharges into water courses MUST be alerted to the Environment or other appropriate regulatory body  
**Spill Clean Up Methods** Absorb small spillage with inert, non combustible material, then flush area with water. Collect larger spillages in containers, and seal securely, and deliver for disposal as per regulations

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**SECTION 7:**  
 Handling and Storage
**Usage precautions**

Avoid spilling, and skin and eye contact. Avoid inhaling vapours. Provide good ventilation.

**Storage Precautions**

Store in tightly closed container, in dry, cool well ventilated place

**Storage Class**

non hazardous storage area

**SECTION 8:**  
 Exposure Control/  
 Personal Protection
**Protective equipment****Engineering Measures**

Provide adequate ventilation

**Respiratory equipment**

suitable respiratory protection must be used at high concentrations. Chemical respirator with organic vapour cartridge

**Hand Protection**

Use suitable protective gloves. Nitrile gloves are recommended.

**Eye Protection**

wear tight fitting goggles

**Other Protection**

Wear rubber apron and footwear and appropriate clothing to prevent skin contact

**SECTION 9:**  
 Physical and Chemical  
 Properties
**Appearance:**

liquid

**Colour**

yellow

**Odour**

none

**Solubility:**

soluble in water

**Solubility value g/100g**

very soluble

**Density:**

1.10 to 1.16 gm/cc at 20 Deg C

**pH value:**

7.0 to 7.8

**Flash Point:**

above 150 Deg F

**Vapour Pressure**

not determined

**Viscosity:**

below 100 cps at 23 Deg C

**Autoignition**

not determined

**Boiling Point**

not determined

**Pour point**

0 Deg C

**SECTION 10:**  
 Stability and Reactivity
**Stability**

Stable under normal temperature conditions and recommended use

**Conditions to Avoid**

Avoid excess heat and cooling

**Material to avoid**

Strong acids and oxidising agents

**Decomposition products**

May liberate oxides of carbon and nitrogen

**SECTION 11:**  
 Toxicological Information
**Toxic dose 1-LD50**

not considered toxic

**Inhalation**

May cause irritation to respiratory system

**Ingestion**

Harmful if swallowed

**Skin contact**

Causes degreasing

**Eye contact**

Irritation of eyes. May cause chemical irritation to eyes

**SECTION 12:**  
 Ecological Information
**Ecotoxicity**

The product components are not classified as environmentally hazardous. This does not suggest the possibility that large or frequent spills can have an harmful effect on the environment

**Mobility**

This product is dispersible in water

**Degradability**

The product is slowly biodegradable.

**SECTION 13:**  
 Disposal considerations
**General information**

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance With the local waste disposal Authority. Do not puncture or incinerate even when empty

**Disposal methods**

Dispose of waste and residue, in accordance with local authority requirements

**SECTION 14:**  
 Transport information
**UK Road class**

none

**ADR Class**

none

**IMDG class**

none

**Air Class**

none

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#### SECTION 15: Regulatory Information

##### EU directives

EC 1907/2006 of the European parliament and 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 commission directives 91/155/EEC, 93/67/EEC and 2002/21/EC including amendments

##### Statutory Instruments

The Chemicals( hazard information and packaging for supply) regulations 2009 (S.I. 2009 No. 176) control of substances hazardous to health.

##### Approved codes of Practice

Safet Data sheets for substances and preparations. Classification and labelling of substances and preparations dangerous for supply

#### SECTION 16: Other information

**Issued By** Saudi Chem

**Revision date** 15<sup>th</sup> of November 2010

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