

## SECTION 1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

**Chemical Name:** Polyadipate / propylene glycol phthalate

**Product Name:** KALFLEX PM (K-PM)

**Synonyms:** -----

**Formula:** -----

**Company Information:** Varteco Química Puntana S.A.  
Calle 113 entre 5 y 7, Parque Industrial Norte, San Luis (5700),  
Argentina

**Emergency Phone Number (24/7):** +54 2664 425379  
(Mon-Fri 8:30 am to 5:30 pm): +54 11 47543030

## SECTION 2. HAZARDS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

**Eye contact:** Droplets can cause eye irritation, reddening, swelling and blurred vision.

**Skin contact:** Mild skin irritation depending on duration of exposure.

**Inhalation:** Droplets can cause irritation to mucous membranes and respiratory tract. Symptoms are coughing, difficulty in breathing, dizziness, chest pain.

**Ingestion:** Irritation in mouth, throat and digestive tract if ingested in large quantities.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

The composition of this compound is considered proprietary information. In the event of a medical emergency, detailed information will be provided to the physician. This is not a hazardous product.

## SECTION 4. FIRST AID MEASURES

**Eye contact:** Flush with plenty of water, including eyelids, until irritation subsides (15 minutes). Contact lenses should be removed only by qualified persons. Get medical attention if irritation persists.

**Skin contact:** Wash with plenty of water (15 minutes); use soap if available. Carefully remove contaminated clothing and shoes.

**Inhalation:** Remove exposed person to fresh air. No significant hazard is expected under normal conditions of use.

**Ingestion:** Rinse mouth with water and get medical attention.

## SECTION 5. FIRE FIGHTING MEASURES

Flash Point: > 220 °C

Flammable Limits: N/AV

### Generic Hazards

"Empty" containers retain product residue (liquid and/or fumes) and can be dangerous. Do not pressurize, cut, weld, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition: they may explode and cause injury or death. Empty containers should be completely drained and properly disposed of.

### Fire Extinguishing Media:

Use water spray to cool fire exposed surfaces and to prevent the fire from becoming "fuel" from fire. Use carbon dioxide, dry chemical foam or water spray or mist. Avoid spraying water directly into storage containers due to danger of boil over. Use self-contained breathing apparatus.

### Combustion Products

Toxic fumes of carbon monoxide and carbon dioxide

COPIA  
CONTROLADA

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Land Spill:** Eliminate sources of ignition in the area close to the spill. Prevent additional discharge of material. Prevent spill from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Recover by pumping or with a suitable absorbent and place in container for subsequent disposal. If in public area, advise authorities.

**Water Spill:** Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations and standards.

## SECTION 7. HANDLING and STORAGE

**Electrostatic accumulation hazard:** Yes, use proper grounding procedure. Additional information on proper handling of materials prone to electrostatic charge accumulation available from the American Petroleum Institute (API).

**Handling and storage:** Keep containers closed and store in a dry, cool and well ventilated area, away from strong oxidizers, alkalis, acids, nitrates. Keep original container closed and away from direct sunlight. Do not handle near open flames, heat or other sources of ignition.

## SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

TLV: Not listed by H&SE or ACGIH

**Exposure control:** Local exhaust ventilation is recommended to control processing fumes close to the source. Fume hood for use of laboratory samples. Mechanical ventilation to be provided indoors.

**Personal protection:** In open systems where contact is likely, wear long sleeves, chemical resistant gloves and safety glasses with side shields.

## SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

**Appearance and colour:** Clear liquid

**Odour:** Slight characteristic odour

**Relative density (25 °C/25 °C):** 1.10 ± 0.01

**Viscosity (25 °C):** 40 Poise ± 10

Insoluble in water and miscible in most organic solvents

## SECTION 10. STABILITY and REACTIVITY

**Stability:** Stable

**Conditions to avoid instability:** N/A

**Hazardous polymerization:** None

**Conditions to avoid hazardous polymerization:** N/A

**Conditions and materials to avoid incompatibility:** Oxidizing agents

**Hazardous decomposition products:** None

## SECTION 11. TOXICOLOGICAL INFORMATION

See Section 2 for information on potential health effects.

## SECTION 12. ECOLOGICAL INFORMATION

Biodegradable in water with 2- to 3-week half-life. See Section 6 for information on accidental release measures.

## SECTION 13. DISPOSAL CONSIDERATIONS

Treatment and disposal of product, waste and packaging waste: Waste treatment should be in compliance with local and national regulations. Incinerate only in approved facility. Dispose of containers at authorized waste disposal locations.

**SECTION 14. TRANSPORT INFORMATION**DOT: **NOT** regulated**SECTION 15. REGULATORY INFORMATION****CAS #:** -----

EPA REGULATIONS

**CERCLA:** If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response Compensation, and Liability Act (CERCLA).

**EPA** - Environmental Protection Agency**CERCLA** - Comprehensive Environmental Response, Compensation, and Liability Act**SECTION 16. OTHER INFORMATION**

Hazard classification: In accordance with National Fire Protection Association Standard NFPA 704 it is classified as:

Health	(0) Minimal
Flammability	(1) Slight
Reactivity	(0) Minimal

**Note:** The information contained in this safety data sheet is accurate to the best of our knowledge. We have reviewed the information provided by reliable sources and such information is believed to be accurate but no guarantees or representations, express or implied, are made as to its correctness or completeness. Health and safety recommendations provided in this safety data sheet may not apply to all individuals and/or situations. This product must be evaluated and used in a safe manner and in compliance with all applicable laws and regulations.

**NA:** Not applicable**N/AV:** Not available