SECTION 1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Chemical Name: Tris(2-ethylhexyl) trimellitate

Product Name: KALFLEX-12 (K-12)

Synonyms: (TOTM)

Formula: $C_6H_3(COOC_8H_{17})_3$

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: Splashing and droplets can cause irritation
Skin contact: Low toxicity. Frequent or extended contact can cause irritation.
Inhalation: Can cause irritation of the upper respiratory tract.
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 until irritation subsides. Get medical attention if irritation persists.
Skin contact: Wash with plenty of water; use soap if available.
Inhalation: Wearing appropriate respiratory protection, immediately remove affected person from exposure. If breathing stops, give CPR. Get immediate medical attention.
Ingestion: Usually no first aid is required.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: > 240 °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 or mist, carbon dioxide or dry chemical. Use water spray to cool fire exposed surfaces and to protect personnel.

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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Land Spill: Eliminate sources of ignition. Prevent additional discharge of material and prevent spill from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Recover by pumping or with a suitable absorbent. 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. Do not handle near open flames, heat, sparks or other sources of ignition.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Oral LD_{50}: > 5000 mg/kg

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 ºC/25 ºC): 0.982 ± 0.015
Boiling point: 221 ºC at 0.2 mbar
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

See Sections 5, 6 and 15 for regulatory and disposal information.

SECTION 14. TRANSPORT INFORMATION

DOT: **NOT** regulated

SECTION 15. REGULATORY INFORMATION

CAS #: 3319-31-1

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).

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