

SECTION 1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

**Chemical Name:** Diisononyl adipate

**Product Name:** KALFLEX-29 (K-29)

**Synonyms:** (DINA)

**Formula:** C<sub>4</sub>H<sub>8</sub>(COOC<sub>9</sub>H<sub>19</sub>)<sub>2</sub>

**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

No health risks associated to this product when used properly.

POTENTIAL HEALTH EFFECTS

Eye contact: Mild irritation but no damage to eye tissue.

Skin contact: Low toxicity. Frequent or extended contact can cause irritation.

Inhalation: Negligible hazard at room temperature.

Ingestion: Minimal toxicity.

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: Immediately remove contaminated clothing and remove substance in controlled manner. 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: Rinse mouth and drink water.

SECTION 5. FIRE FIGHTING MEASURESGeneric 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. **DO NOT USE** high-pressure water jet.

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.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Land Spill: Prevent additional discharge of material. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, advise authorities. Eliminate sources of ignition. Prevent spill from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Recover with a suitable absorbent (sand, earth, etc.) and transfer to container for controlled disposal.

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

## SECTION 7. HANDLING and STORAGE

Handling: Handle in accordance with standard precaution measures for handling of chemical products.

Storage: Keep containers closed at ambient temperature and store in a dry area, away from strong oxidizers. Do not handle near sources of heat 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.

Additional information: In the event of burns caused by hot material, flush with cold water and get medical attention.

## SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

**Appearance and colour**: Oily, clear liquid

**Odour**: Slight characteristic odour

**Relative density (25 °C/25 °C)**: 0.919-0.925

**Flash point**: > 210 °C

Insoluble in water and miscible in most organic solvents

## SECTION 10. STABILITY and REACTIVITY

Stability: Stable

Conditions to avoid instability: Contact with flames

Hazardous polymerization: None

Conditions to avoid hazardous polymerization: N/A

Conditions and materials to avoid incompatibility: Oxidizing agents

Hazardous decomposition products: Stable under normal conditions of use.

## SECTION 11. TOXICOLOGICAL INFORMATION

See Section 2 for information on potential health effects.

## SECTION 12. ECOLOGICAL INFORMATION

No specific ecological information is available for this product. 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 #:** 33703-08-1

**TSCA:** N/A

**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