



1. IDENTIFICATION OF PREPARATION & OF COMPANY

Product: Inhibitor for Vinylester Systems
Manufacturer: Chemco International Ltd
East Shawhead Industrial Estate
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Scotland United Kingdom
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2. HAZARDS IDENTIFICATION

Acute effects: Flammable. Harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or have occupational exposure limits detailed in EH40, these substances are listed below.

Product/Ingredient name	67/548/EEC Classification	Risk phrases	CAS No.	%
Acetylacetone	Xn	R10, R22	123-54-6	

No additional ingredients are present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

Inhalation: Move to fresh air if effects occur. Seek medical attention.
Ingestion: Immediately give plenty of water (if possible charcoal slurry).
Seek medical attention immediately. Do not induce vomiting.
Fully trained personnel can use oxygen or artificial respiration if required.
Eyes: Rinse with flowing water immediately for at least 15 minutes.
Seek medical attention.
Skin: Remove contaminated clothing. Flush with flowing water for at least 15 minutes. Wash affected area with soap and water.
Seek medical attention if irritation persists.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray, dry chemical powder or vapourising liquids.
Special fire-fighting protection: Keep run-off water out of sewers and water sources. Cool containers exposed to flames with water until well after fire is out. Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Shut off all sources of ignition. Wear appropriate protective clothing. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb using an inert absorbent, transfer to container and arrange for removal by Disposal Company. Ventilate area to dispel residue vapour. For large spills, liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

7. ACCIDENTAL RELEASE MEASURES

Handling:	All electrical equipment must be flameproof. Take precautions against static discharge. Do not breathe vapour.
Storage:	Store at room temperature (below 25°C). Keep well closed and protected from direct sunlight and moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures/controls:	As appropriate to quantity handled. Provide adequate general and local exhaust ventilation.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment.
Eye protection:	Tightly fitting safety goggles, face-shield.
Skin protection:	Protective suit, nitrile rubber gloves and safety shoes.
Hygienic work routines:	Wash regularly and at end of shift and before eating, smoking and using toilet. If skin becomes wet wash promptly. Remove contaminated clothing quickly. Isolate clothing and wash before use.

9. PHYSICAL & CHEMICAL PROPERTIES

Form:	Liquid.
Colour:	Colourless.
Odour:	Sweetish.
Melting temperature:	-23°C
Boiling temperature:	140°C
Density:	0.97g.l ⁻¹
Log P(O/W):	1.9
Solubility in water:	Soluble.
Flash point:	34°C
Explosion limits:	Lower 1.7%
Auto-ignition temperature:	340°C

10. STABILITY & REACTIVITY

Stability:	
Unsuitable working materials:	Various metals, iron/iron- containing compounds.
Avoid:	Acids, bases, isocyanates, amines, strong oxidising agents, hydrogen fluoride.

11. TOXICOLOGICAL INFORMATION

Ingestion causes nausea and vomiting.	
Skin:	Severe irritation.
Eye:	Severe irritation.
Further data	
Oral LD50:	590mg/kg ⁻¹ (rat).

No evidence of carcinogenic properties. May cause adverse mutagenic or teratogenic effects.

DISCLAIMER: The information contained herein is to the best of our knowledge accurate and current and is given in good faith without warranty. Users are deemed to have satisfied themselves independently as to the suitability of our products for their particular purpose. In no event shall Chemco International be liable for consequent or incidental damages.

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12. ECOLOGICAL INFORMATION

Degradability: Do not allow product to enter drinking water supplies, waste water or soil.

13. DISPOSAL CONSIDERATIONS

Product: Chemical residues are generally classified as special waste and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice or pass to a chemical disposal company.

Containers: Rinse out empty containers thoroughly before returning for recycling.

14. TRANSPORT INFORMATION

Proper shipping name:	Pentane-2,4-dione		
Road/rail ADR/RID:	3,31' ©	UN No:	UN 2310
Sea IMO/IMDG Class:	3.3	Packing Group:	III
UN No:	UN 2310		
Air IATA/ICAO Class:	3 (6.1)	Packing Group:	III
UN No:	UN 2310		
Packing Instruction (Pass & Cargo):	355	Packing Instruction (Cargo):	366

15. REGULATORY INFORMATION

Chemical name: Pentane-2,4-dione.

Labelling: According to EEC directives relating to packaging and labelling of dangerous substances and UK Chemicals Hazard Information and Packaging for Supply (CHIPS) legislation.

Symbol: (Xn), Harmful.

Relevant risk phrases: R10, Flammable.
R22, Harmful if swallowed.

Safety phrases: S21, When using do not smoke.
S23, Do not breathe vapour.
S24/25, Avoid contact with skin and eyes.

TSCA Certifications: All chemicals in this product are listed, or are exempt from listing, on the TSCA inventory.

16. OTHER INFORMATION

Risk phrases in full: R10, Flammable.
R22, Harmful if swallowed.

The information contained in this data sheet is based on present state of knowledge and current national legislation (CHIPS). It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for the particular applications.

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