

POVIDONE-IODINE**1471**
May 2003CAS No: 25655-41-8
RTECS No: TR15796001-Vinyl-2-pyrrolidinone polymers, iodine complex
1-Ethenyl-2-pyrrolidinone homopolymer compound with iodine
Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex
(C₆-H₉-N-O)_x-x-I₂

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Gives off irritating or toxic fumes (or gases) in a fire.		
EXPLOSION			
EXPOSURE			
Inhalation			
Skin		Protective gloves.	Rinse and then wash skin with water and soap.
Eyes			
Ingestion			

SPILLAGE DISPOSAL	PACKAGING & LABELLING

EMERGENCY RESPONSE	STORAGE
	Dry. Well closed.

IMPORTANT DATA**Physical State; Appearance**

YELLOW TO BROWN HYGROSCOPIC POWDER

Chemical dangers

The substance decomposes on heating producing toxic fumes of nitrogen oxides and iodine. The solution in water is a weak acid.

Occupational exposure limits

TLV not established.

Effects of long-term or repeated exposure

Repeated or prolonged contact with skin may cause dermatitis.

PHYSICAL PROPERTIES

Solubility in water: good

ENVIRONMENTAL DATA**NOTES**

The substance is a widely used topical antiseptic and it has been only very rarely associated to any adverse effects during its normal use.

Betadine and Isobetadine are trade names.

ADDITIONAL INFORMATION**LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information