The Purdue Frederick Company

[redacted]

Betadine® So ution
(10% povidon : iodine) **Version: 16-Mar-04**

1. CHE! IICAL PRODUCT/COMPANY IDENTIFICATION

Material Identifi :ation: Betadine® Solution (10% povidone iodine)

Chemical Name

1-ethyeny -2-pyrrolidinone homopolymer compound with iodine

Synonyms
PVP-I

Molecular Formula: $(C_6H_9NO)_n \cdot I_x$ **Molecular Weight:** not available

[redacted]

CAS Number: 25655-41-8

Product Use: topical microbiocide

Responsible Par :y

Manufac urer
Tl e Purdue Frederick Company
O ie Stamford Forum
20 ! Tresser Boulevard
St mford, CT 06901-3431
T lephone: (888) 726-7535

EMERG :NCY CONTACT
C emtrec (800) 424- 9300. For all international transportation
[redacted]

[redacted]

2. HAZARDOUS COMPONENTS

Material	CAS Number	%

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Emergency Overview

Normal handling should not constitute a hazard. The following information is provided for those circumstances where uncontrolled exposure may occur.

Reddish-brown clear liquid

[redacted]

Remove c ontaminated clothing. Flush skin with plenty of water and wash thoroughl · with soap and water. If irritation (redness, itching, swelling) develops, seek medi :al attention. Wash contaminated clothing before reuse.

EYE CO TACT
In case of contact, immediately flush eyes with plenty of water for at least 15

area with detergent and water. Dispose of all solid waste and wash and rinse water in accordance with federal, state, and local regulations.

7 Handling and Storage

[redacted]

[redacted]

TLV (AC GIH): 10 mg/m³ (mist)

Exposure Guideline Comments
none

9. Physical and Chemical Properties

Physical Data

Odor: sli ht characteristic
Form: liq id
Color: re ldish brown
Vapor Pre ssure: no information available
Melting P oint: no information available
Solubility soluble in water and in alcohol

10. Stability and Reactivity

[redacted]

Chemical Stabil ty

Low stabi ity hazard expected at normal operating temperatures.

Pareth 25-9
No information available.

Acute

Povidone iodine
Oral LD_{50}: rat: >8 g/kg
Oral LD_{50}: mouse: 8.1 g/kg
Intravenous LD_{50}: rat: 640 mg/kg
Intravenous LD_{50}: mouse: 480 mg/kg
Intravenous LD_{50}: rabbit 110 mg/kg

Glycerin
Oral LD_{50}: rat: 12.6 g/kg
Oral LD_{50}: mouse: 4.1 g/kg
Intravenous LD_{50}: rat: 5.6 mg/kg
Intravenous LD_{50}: mouse: 4.2 mg/kg
Dermal LD_{50}: rabbit: >10 g/kg

Pareth 25-9
No information available. Pareths are ethoxylated long chain alcohols and are

expected to have low acute oral toxicity: e.g., the acute oral LD_{50} for Pareth 25-7

Glycerin
No information available.

Pareth 25-9
No information available.

Carcinogenicity
Povidone Iodine
No information available.

Glycerin
No information available.

Pareth 25-9
No information available.

Mutagenicity/Genotoxicity:
Povidone Iodine
Bacterial mutagenicity: negative
Bone marrow (hamster): negative
Dominant lethal assay (mouse): negative
Mouse lymphoma: negative
Mouse micronucleus: negative

Glycerin
Bacterial mutagenicity: negative

[redacted]

Pareth 25-9
No information available.

[redacted]

Povidone Iodine
No information available.

Glycerin
No information available.

Pareth 25-9
No information available.

12. Ecological Information

Ecotoxicological Information
No information available

Chemical Fate Information

No information available

13. Disposal Considerations

Disposal