

## MATERIAL SAFETY DATA SHEET

Issue Date: Jan. 1, 2010

Last Review Date: Sep. 16, 2022

### Section 1. Identification of the substance and the company- - - - -

Name: Polyvinylpyrrolidone Iodine, Povidone Iodine, PVPI, PVP Iodine

Company information: SHANGHAI YUKING WATER SOLUBLE MATERIAL TECH CO., LTD

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### Section 2. Hazards Identification - - - - -

#### Classification of the substance or mixture

Skin irritation, Category 2

Serious eye damage, Category 1

Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 2

#### GHS label elements, including precautionary statements

Pictogram(s)



Signal word

Danger

Hazard statement(s)

H315 Causes skin irritation

H318 Causes serious eye damage

H411 Toxic to aquatic life with long lasting effects

Precautionary statement(s)

Prevention

P264 Wash ... thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

Response

P302+P352 IF ON SKIN: Wash with plenty of water/...

P321 Specific treatment (see ... on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor/2026  
P391 Collect spillage.

**Storage** None

**Disposal** P501 Dispose of contents/container to ...

**Other hazards which do not result in classification**

None

**Section 3. Composition/Information On Ingredients**

Synonyms: Povidone Iodine, PVP-Iodine

CAS number: 25655-41-8

**Section 4. First-Aid Measures** - - - - -

In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated Clothing and shoes.

If inhaled, remove to fresh air.

If not breathing give artificial respiration.

If breathing is difficult, give oxygen.

If swallowed, wash out mouth with water provided person is conscious.

Call a physician.

Wash contaminated clothing before reuse.

**Section 5. Fire Fighting Measures** - - - - -

Extinguishing media

Water spray.

Carbon dioxide, dry chemical powder or appropriate foam.

Special firefighting procedures

Wear self-contained breathing apparatus and protective clothing to

Prevent contact with skin and eyes.

Unusual fire and explosions hazards

Emits toxic fumes under fire conditions.

**Section 6. Accidental Release Measures** - - - - -

Evacuate area.

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

Sweep up, place in a bag and hold for waste disposal.  
Avoid raising dust.  
Ventilate area and wash spill site after material pickup is complete.

#### **Section 7. Handling And Storage- - - - -**

Store at room temperature. Keep well closed and protected from direct sunlight.

#### **Section 8. Exposure Controls/Personal Protection- - - - -**

Wear appropriate niosh/msha-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.  
Safety shower and eye bath. Use only in a chemical fume hood.  
Do not breathe dust.  
Avoid contact with eyes, skin and clothing.  
Avoid prolonged or repeated exposure.  
Wash thoroughly after handling.  
Keep tightly closed.  
Store in a cool dry place.

#### **Section 9. Physical And Chemical Properties- - - - -**

Appearance and odor: A reddish-brown powder  
Melting point:300°C

It has chemical stability, physiology safety.

#### **Section 10. Stability And Reactivity - - - - -**

Stability: stable.  
Incompatibilities: oxidizing agents  
Hazardous combustion or decomposition products: hydrogen iodide  
Thermal decomposition may produce carbon monoxide, carbon dioxide and nitrogen oxides.  
Hazardous polymerization: will not occur.

#### **Section 11. Toxicological Information - - - - -**

Acute effects  
May be harmful by inhalation, ingestion, or skin absorption.  
Causes eye and skin irritation.  
Material is irritating to mucous membranes and upper respiratory tract.  
May cause allergic skin reaction.  
Chronic effects

Possible risk of congenital malformation in the fetus.

Target organ(s):

Thyroid

Kidneys

To the best of our knowledge, the chemical, physical, and

Toxicological properties have not been thoroughly investigated.

additional information

contains material that iarc (international agency for research on cancer) classifies as group 3 with limited animal evidence for carcinogenicity and no adequate data for human carcinogenicity classification.

rtecs #: tr1579600

poly(1-(2-oxo-1-pyrrolidiny)ethylene)iodine complex

irritation data

skn-rbt 500 mg mld

yachds 17(supp11),75,1989

toxicity data

orl-rat ld50:>8 gm/kg

niirdn 6,788,1982

scu-rat ld50:3450 mg/kg

niirdn 6,788,1982

ivn-rat ld50:640 mg/kg

niirdn 6,788,1982

orl-mus ld50:8100 mg/kg

niirdn 6,788,1982

scu-mus ld50:4100 mg/kg

niirdn 6,788,1982

ivn-mus ld50:480 mg/kg

niirdn 6,788,1982

target organ data

effects on newborn (biochemical and metabolic)

effects on newborn (physical)

only selected registry of toxic effects of chemical substances

(rtecs) data is presented here. see actual entry in rtecs for

complete information.

#### Section 12. ----- Ecological information -----

data not yet available.

#### Section 13. ----- Disposal considerations -----

dissolve or mix the material with a combustible solvent and burn in a

chemical incinerator equipped with an afterburner and scrubber.

observe all federal, state and local environmental regulations.

#### Section 14. ----- Transport information -----

Not classified as hazardous under transport regulation

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG/IMO Not regulated

#### Section 15. ----- Regulatory information -----

TSCA Inventory List: This product and/or its components are listed or exempt from the TSCA Inventory



California Proposition 65 Carcinogens & Reproductive Toxicity (CRT) List: This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

WHMIS Ingredient Disclosure List: None of the components of this product is listed on WHMIS Ingredient Disclosure list.

Canada DSL Inventory List: This product and/or its components are listed or exempt from the DSL Inventory

Canada NDSL Inventory List: This product and/or its components does not comply with NDSL

Japan Inventory of Existing & New Chemical Substances (ENCS): This product and/or its components are listed or exempt from the ENCS

Australia Inventory of Chemical Substances (AICS) List: This product and/or its components are listed or exempt from the AICS Inventory

European Inventory of Existing Commercial Chemical Substances (EINECS): This product and/or its components does not comply with EINECS

EU List of Notified Chemical Substances (ELINCS): This product and/or its components does not comply with ELINCS

**Section 16. ----- Other information -----**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Our company shall not be held liable for any damage resulting from handling or from contact with the above product.

