

SECTION 1: Identification

Product Identifier:	Ovadine - USA
Synonyms:	Poly(vinylpyrrolidone)-Iodine complex
Recommended Use:	Ovadine (povidone iodine) is used as a fish egg disinfectant.
Restrictions on use:	Uses other than those described above
Manufactured For/Distributed By:	Syndel 1441 West Smith Road, Ferndale, WA 98248 USA 1-800-663-2282
24 Hour Emergency Telephone Number:	Velocity 1-800-255-3924 Contract Number: MIS9518319

SECTION 2: Hazard(s) identification

Classification of the substance or mixture:	Physical Hazards No physical hazards for this product Health Hazards Eye Irritation, Category 2A Environmental Hazards No environmental hazards for this product.
GHS Label Elements	
Hazard Pictograms:	
Signal Word(s):	WARNING
Hazard Statements:	
H319	Causes serious eye irritation
H315	Causes skin irritation
Precautionary: Prevention	
P264+P265	Wash hands thoroughly after handling. Do not touch eyes.
P280	Wear protective gloves/protective clothing/eye protection
Precautionary: Response	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P337+P317	If eye irritation persists: Get medical help.
Precautionary: Storage	None
Precautionary: Disposal	
P501	Dispose of contents/container in accordance with all local, national and international regulations.

SECTION 3: Composition/information on ingredients

Substance/mixture: Mixture

Ingredient Name	% (w/w)	CAS Number
PVP-Iodine	10.7%	25655-41-8

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

Occupational exposure limits, if available are listed in Section 8.

SECTION 4: First-aid measures

Description of necessary first aid measures	
Eye Contact:	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
Inhalation:	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
Skin Contact:	In case of contact, immediately wash skin with soap and copious amounts of water.
Ingestion:	If swallowed, wash mouth out with water provided the person is conscious. Follow with plenty of water. Do not induce vomiting. NEVER GIVE LIQUIDS TO AN UNCONCIOUS PERSON. Call a physician.
Most important symptoms/effects, acute and delayed	
Potential acute health effects:	
Eye Contact:	Causes serious eye damage.
Inhalation:	No data available.
Skin Contact:	No data available.
Ingestion:	No data available.
Over-exposure signs/symptoms	
Eye Contact:	Adverse symptoms may include the following: Pain Watering Redness
Inhalation:	No specific data.
Skin Contact:	No specific data.
Ingestion:	No specific data.
Indication of immediate medical attention and special treatment needed, if necessary	
Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. May cause hyperthyroidism.
Specific treatments:	No specific treatment.
Protection of first aiders:	No action shall be taken involving any personal risk or without suitable training. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

SECTION 5: Fire-fighting measures

Extinguishing media	
Suitable extinguishing media:	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media:	No data available.
Specific hazards arising from the chemical:	Emits toxic fumes under fire conditions. Combustion products – None known.
Hazardous thermal decomposition products:	No data available.
Special protective actions and equipment for fire-fighters:	Wear self-contained breathing apparatus (SCBA) and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of aerosol. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Environmental precautions: Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

Methods and materials for containment and cleaning up

Spill: Soak up with appropriate absorbent material, place in a bag, and hold for disposal. Ventilate area and wash spill site after picking up material.

SECTION 7: Handling and storage

Precautions for safe handling

Protective measures: Avoid inhalation, contact with eyes, skin, and clothing. Avoid repeated or prolonged exposure. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking or smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Store between 2°C and 30°C, do not freeze. Protect from direct sunlight. Keep container tightly closed. Dispose of in accordance with local, state, federal, and international guidelines

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

PVP-I [25655-41-8]	ACGIH Threshold Limit Values	US OSHA Hazardous Components
	TWA: No data available	TWA: No data available
	STEL: No data available	STEL: No data available
	OEL: No data available	OEL: No data available
	C: No data available	C: No data available

*TWA – Time-Weighted Average Limit – 8 hours

*STEL – Short-term Exposure Limit – maximum 15-minute period

*C – Ceiling Limit

*OEL Occupational Exposure Limits

*EM – substance whose exposure must be reduced to a minimum

*RP: substance whose recirculation is prohibited

Appropriate engineering controls: Mechanical exhaust required. Use sufficient natural or mechanical ventilation to keep dust level below the PEL where available.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Use chemical safety goggles. Eye protection should be compliant with OSHA regulations.

Hand and Skin protection: Wearing resistant gloves impervious to the specific material handled is advised to prevent skin contact. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection: Wear protective boots, and apron or lab coat. Safety shower and eye bath.

Respiratory protection: Respiratory protection is not required. In cases where nuisance levels of aerosol are present, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: Physical and chemical properties

Physical state:	Liquid	
Colour:	Brown	
Odour:	Faint odour, characteristic	
Odour threshold:	No data available	
pH:	6.0 – 7.0	
Melting point:	No data available	
Freezing point:	No data available	
Boiling point:	130°C (266°F)	
Flash point:	Non-flammable	
Evaporation rate:	No data available	
Flammability (solid, gas):	Non-flammable	
Lower and upper explosive flammable limits:	Not applicable	
Vapour pressure:	No data available	
Vapour density:	No data available	
Relative density:	Approx. 1.03	
Solubility:	No data available	
Solubility in water:	No data available	
Partition coefficient: n-octanol/water	No data available	
Auto-ignition temperature:	No data available	
Decomposition temperature:	No data available	
Kinematic viscosity:	No data available	
Flow time (ISO 2431)	No data available	
Particle characteristics:	No data available	
Water content:	≤ 88%	

SECTION 10: Stability and reactivity

Reactivity:	Not chemically reactive	
Chemical stability:	Stable under normal ambient and anticipated conditions of use.	
Possibility of hazardous reactions:	Hazardous reactions not anticipated.	
Conditions to avoid:	No data available.	
Incompatible materials:	Strong oxidizing agents.	
Hazardous decomposition products:	No data available.	

SECTION 11: Toxicological information

Information on the likely routes of exposure:	
Inhalation:	Not expected route of exposure.
Ingestion:	Not an expected route of exposure.
Skin:	Skin contact is an expected route of exposure.
Eyes:	Eye contact is an expected route of exposure.

Information on toxicological effects			
Acute toxicity			
Product/ingredient name	Oral LD50 (Rat)	Dermal LD50	Inhalation LC50
PVP-I [25655-41-8]	5-600 mg/kg (approx.)	No data available	No data available

Skin corrosion/irritation:	Skin Irritation: Rabbit slightly irritating (BASF test)
Serious eye damage/eye irritation:	Eye Irritation: Rabbit, severely irritating (OECD Guideline 405)
Respiratory sensitization:	No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).
Skin sensitization:	No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).
Germ cell mutagenicity:	No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).
Carcinogenicity:	No information available on the mixture, however none of the components are listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.
Reproductive toxicity:	No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).
Specific target organ toxicity: Single exposure	No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).
Specific target organ toxicity: Repeat exposure	No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).
Aspiration hazard	No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).

SECTION 12: Ecological information

Toxicity		
Product/ingredient name	Result	Species
PVP-I [25655-41-8]	Acute LC ₅₀ (96 hours) – 4.6-10 mg/L Freshwater	Fish – <i>Leuciscus idus</i>
	EC/LC ₅₀ (17 hours) – 380 mg/L	Bacteria – <i>Pseudomonas putida</i>

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Disposal methods:	Appropriate method of disposal of substance or preparation. Contain the spill. Do not allow it to flow into water supplies. Absorb any leaked or spilled material. Observe all federal, state, and local regulations when disposing.
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SECTION 14: Transportation information

US Department of Transportation: (49CFR)	Not regulated under DOT.
IMDG:	Not regulated under IMDG.
IATA (Country variations may apply):	Not regulated under IATA.
Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premise: None	

SECTION 15: Regulatory information

USA:

United States Federal Regulations: This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

Toxic Substances Control Act (TSCA) – All substances in this product are listed, as required, or are exempt from the TSCA inventory.

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None listed.

Section 311/312 (40 CFR 370): Eye irritation.

Section 313 Toxic Release Inventory (40 CFR 372): None.

Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

CERCLA Hazardous Substance List, 40 CFR 302.4: This product does not contain chemicals listed on CERCLA.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None.

SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None.

Section 311/312 (40 CFR 370):

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

Section 313 Toxic Release Inventory (40 CFR 372): None.

STATE REGULATIONS:

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986): No components are listed on Prop 65.

Massachusetts Right to Know: None of the components are listed on the Massachusetts Right to Know List.

New Jersey Right to Know: No components are listed on the New Jersey Right to Know List.

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SECTION 15: Regulatory information

Pennsylvania Right to Know: No components are listed on the Pennsylvania Right to Know List.

International regulations:

Chemical Weapon Convention List Schedules I, II & III Chemicals: Not listed.

Montreal Protocol (Annexes A, B, C, E): Not listed.

Stockholm Convention on Persistent Organic Pollutants: Not listed.

Rotterdam Convention on Prior Informed Consent (PIC): Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals: Not listed.

Inventory List:

Australia:	All components are listed or exempted.
China:	All components are listed or exempted.
Canada	All components are listed or exempted.
Europe:	All components are listed or exempted.
Japan:	Japan inventory (ENCS): All components are listed or exempted. Japan inventory (ISHL): Not determined.
New Zealand:	All components are listed or exempted.
Philippines:	All components are listed or exempted.
Republic of Korea:	All components are listed or exempted.
Taiwan:	All components are listed or exempted.
Turkey:	All components are listed or exempted.
United States:	All components are listed or exempted.

SECTION 16: Other information

Revision Date: 08-AUG-2026

To the best of our knowledge, the information contained herein is accurate. However, Syndel does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

Key to abbreviations	
ATE:	Acute Toxicity Estimate
BCF:	Bioconcentration Factor
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
IATA:	International Air Transport Association
IBC:	Intermediate Bulk Container
IMDG:	International Maritime Dangerous Goods
LogP_{ow}:	Logarithm of the octanol/water partition coefficient
MARPOL:	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN:	United Nations
HPR:	Hazardous Products Regulations