

MSDS

Material Safety Data Sheets

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Date: Mar.5.2024

Report No.: H2403050292009

Section 1 - Product and Company Identification

Product Identification: Povidone Iodine Prep Pad

Company Name: Zhenping Huading Steel Products Co., Ltd

Company Address: Dalongmiao Village Mazhuang township Zhenping County, NanYang ,Henan

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Remark:The MSDS is prepared based on the information provided by client.

Hengwei Testing Technology (Huizhou)Co., Ltd.



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Section 2 –Hazard identification

Classification of the substance or mixture

Flammable liquids, Category 2

Severe eye injury/eye irritation, Category 2

STOT Single Exp. 3

GHS label elements, including precautionary statements

Pictogram(s)



Signal word Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

H336: May cause drowsiness or dizziness

Precautionary statement(s)

Prevention

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P264 Wash ... thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

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

Response

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use ... to extinguish.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER/doctor/.../if you feel unwell.

Storage

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

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P403+P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section 3 Composition/information on ingredients

Substance/mixture	Mixture
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Chemical Name:

Chemical Formula	Concentration(%)	CAS NO.
Isopropanol	63.9	67-63-0
Purified water	36.1	7732-18-5

Section 4 –First-aid measures

EYE CONTACT: Separate eyelids and flush with running water or saline. Seek immediate medical attention.

Skin contact: Remove contaminated clothing and rinse skin thoroughly with soapy water and water. If discomfort occurs, seek medical attention.

Inhalation: If inhaled, move to fresh air. If not breathing, perform artificial respiration.

Ingestion: Rinse mouth and do not induce vomiting. Seek immediate medical attention.

Section 5 - Fire Fighting Measures

Extinguishing agent medium

Fire extinguishing methods and extinguishing agents. Use suitable fire extinguishing measures according to the prevailing situation and surrounding environment.

Special hazards: Non-combustible

Fire fighting precautions and protection measures. In case of fire, wear self-contained breathing apparatus, spray water to suppress gas/vapor, etc.

Section 6 –Accidental release measures

Worker protective measures, protective equipment and emergency disposal procedures.

Eliminate all ignition sources. Delineate the alert area according to the area affected by liquid flow and vapor diffusion, and evacuate unrelated personnel to the safety zone from the side and upwind direction. Emergency response personnel are advised to wear positive pressure self-contained breathing apparatus and anti-static clothing. All equipment used during operation should be grounded. Contact with or across the spill is prohibited. Cut off the source of the spill if possible. Prevent spills from entering bodies of water, sewers, basements or confined spaces.

Small spills: Absorb with sand or other non-combustible materials. Use clean, non-sparking tools to collect absorbent material. Large spills: Construct dikes or dig pits to contain. Cover with soluble foam to reduce evaporation.

Spraying with water mist reduces evaporation but does not reduce the flammability of the spill in a confined space.

Transfer to a tanker or special collector with an explosion-proof pump. Spray mist water to disperse vapors and dilute liquid spills

Environmental protection measures: Contain the spill to avoid contaminating the environment. Prevent spills from entering sewers, surface water and groundwater.

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Section 7 –Handling and storage

Operation precautions: Operators should be specially trained and strictly abide by the operation procedures.

Storage precautions: Store in a cool, ventilated warehouse, away from fire and heat sources.

Section 8 –Exposure controls/personal protection

Occupational Exposure Limits

No information available

Biological limits:

No information available

Monitoring methods: GBZ/T 160.1 ~ GBZ/T 160.81-2004 Determination of Toxic Substances in Workplace Air (series of standards), EN 14042 Workplace Air Guidelines for procedures used to evaluate exposure to chemical or biological agents.

Engineering controls: The workplace is recommended to be separated from other workplaces.

Operate confined to prevent leakage. Reinforce ventilation.

Install automatic alarm devices and accident ventilation.

Set up emergency evacuation routes and necessary diarrhea hazard areas.

Set up red zone warning lines, warning signs and Chinese warning instructions, and set up communication alarm systems.

Provide safety showers and eyewash equipment.

Individual protective equipment.

Respiratory protection: Ventilation, local exhaust ventilation or respiratory protection.

Hand protection: protective gloves.

Eye protection: goggles.

Skin and body protection: Wear toxic permeation resistant coveralls.

Section 9 –Physical and chemical properties

Appearance: Solid attached liquid

Color: Black

Odour: Odorless

pH-value : Not available

Melting point : Not available

Boiling point : Not available

Flash point : Not available

Decomposition temperature : Not available

Explosion Lower:Not available

Explosion Upper:Not available

Vapour pressure :Not available

Relative density: Not available

Vapour density: Not available

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Evaporation rate: Not available

Solubility in / Miscibility with water: Not available

Partition coefficient: n-octanol/water : Not available

Viscosity Dynamic: Not available

Section 10 –Stability and reactivity

Stability. Stabilise

Conditions to be avoided: high temperature, sparks, direct sunlight

Incompatible media: No relevant information

Hazardous decomposition products: No relevant information

Section 11 –Toxicological information

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

A3; Confirmed animal carcinogen with unknown relevance to humans.

Reproductive toxicity

no data available

STOT-single exposure

The substance is severely irritating to the eyes. The vapour at high levels is irritating to the eyes and respiratory tract. The substance may cause effects on the central nervous system.

STOT-repeated exposure

The substance defats the skin, which may cause dryness or cracking.

The substance may have effects on the upper respiratory tract and central nervous system. This may result in irritation, headache, fatigue and lack of concentration. See Notes.

Aspiration hazard

A harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20°C.

Section 12 –Ecological information

Toxicity: no data available

Persistence and degradability: no data available

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Bioaccumulative potential: no data available

Mobility in soil: no data available

Section 13 –Disposal considerations

Waste chemicals: Dispose of in accordance with relevant national and local regulations, or contact the factory or manufacturer to determine the disposal method.

Contaminated packaging: Return container to manufacturer or dispose of in accordance with national or local regulations

Disposal Notes: Please refer to relevant national and local regulations before disposal

Section 14 –Transport information

UN-Number

ADR/RID/ADN, IMDG, IATA : UN3175

UN proper shipping name

ADR/RID/ADN, IMDG, IATA : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.

Transport hazard class(es)

ADR/RID/ADN, IMDG, IATA : 4.1

Packing group

ADR/RID/ADN, IMDG, IATA : II

Environmental hazards

Marine pollutant: No

Section 15 –Regulatory information

Regulatory information: ISO 11014-2009 Safety data sheets for chemical products - Contents and sequence of parts.Regulation (EC) No. 1272/2008 Classification, labelling and packaging of substances and mixtures.

Section 16 –INFOEMATIONS

16.1 Release record

Date of issue / Date of revision:2024.3.5

16.2 DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable.

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