

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Part C :
Trade name : Diacetin

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Chem/Bio Warfare agent decontamination formula and disinfectant to destroy microorganisms

1.3. Details of the supplier of the safety data sheet

Manufacturer:
SPAN-WORLD LLC
PO BOX 18155 GOLDEN, CO
80402 985-875-2471

1.4. Emergency telephone number

Emergency number : +1 800 950 9958

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labeling applicable

2.3. Other hazards

None

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Diacetin	(CAS No) 25395-31-7	100	None

In mixture it is less than 2% of the total composition by weight.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical attention.
First-aid measures after skin contact : Wash skin with plenty of water. Seek medical attention if irritation develops.
First-aid measures after eye contact : Rinse eyes with water as a precaution. Obtain medical attention if irritation persists.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory irritation.
Symptoms/injuries after skin contact : May cause slight irritation to the skin.
Symptoms/injuries after eye contact : Contact may cause eye irritation.
Symptoms/injuries after ingestion : Ingestion of large amounts may produce some discomfort and gastrointestinal disturbances including a laxative action.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

None – material is not flammable or combustible

5.2. Special hazards arising from the substance or mixture

None - The product is non-reactive.

5.3. Advice for firefighters

Protective equipment for firefighters is standard firefighting PPE.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : If spilled, may cause the floor to be slippery.

6.1.1. For non-emergency personnel

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Keep upwind of the spilled material and isolate exposure. Evacuate unnecessary personnel. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Standard PPE for responding to any hazard

6.2. Environmental precautions

None.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : dilute with large volumes of water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wear chemical splash face shield and neoprene gloves.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Store in tightly closed, leak-proof containers. Keep cool. Keep out of direct sunlight. Avoid Freezing. Avoid high temperatures.

Incompatible materials : None.

Maximum storage period : 1 year If stored indoors with no direct sunlight or wide temperature swings, storage period may be extended to 5 years

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

None

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety shower should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : Wear protective gloves. Safety glasses. Wear suitable protective clothing.



Hand protection : Protective gloves.

Eye protection : Safety glasses.
 Skin and body protection : Wear suitable protective clothing.
 Respiratory protection : Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment.
 Environmental exposure controls : None.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
 Appearance : Clear liquid
 Colour : Colourless
 Odour : slight sweet odor
 Odour threshold : No data available
 pH : No data available
 Melting point : No data available
 Freezing point : No data available
 Boiling point : 250 - 280 °C (282-536F)@760mmHg
 Flash point : Non combustible
 Relative evaporation rate (butyl acetate=1) : < 1 (butyl acetate=1)
 Flammability (solid, gas) : None
 Explosive limits : None
 Explosive properties : None
 Oxidising properties : None
 Vapour pressure : < 0.1 kPa @ 20 C
 Relative density : 6.2 (air = 1)
 Relative vapour density at 20 °C : < 1
 Specific Gravity : (water =1) 1.17
 Solubility : Water: Soluble
 Log Pow : No data available
 Log Kow : No data available
 Auto-ignition temperature : No data available
 Decomposition temperature : No data available
 Viscosity : Not data available
 Viscosity, kinematic : No data available
 Viscosity, dynamic : No data available

SECTION 10: Stability and reactivity



10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions. Hazardous polymerization will not occur.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Skin and eye contact; oral; Inhalation
Acute toxicity : Not classified
Skin corrosion/irritation : May cause skin irritation



Eye irritation : Minimally irritating (rabbit)
Respiratory or skin sensitisation : None
Symptoms/injuries after inhalation : May cause respiratory irritation.
Symptoms/injuries after skin contact : May cause slight irritation to the skin.
Symptoms/injuries after eye contact : Contact may cause eye irritation.
Symptoms/injuries after ingestion : Ingestion of large amounts may produce some discomfort and gastrointestinal disturbances including a laxative action.
Oral LD50 : 8,500 mg/kg in mice

SECTION 12: Ecological information

12.1. Toxicity

This product is readily biodegradable and will not bioaccumulate.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Non hazardous waste. An acceptable method of disposal is to dilute with a large amount of water and allow the material to decompose followed by discharge into a suitable treatment system in accordance with NPDES standards. Dispose of contents/container in accordance with local regulations.

SECTION 14: Transport information

Not applicable



SECTION 15: Regulatory information

This material is not listed under SARA, CERCLA or TSCA.

SECTION 16: Other information

According to HMIS it is 0 (zero) for health, flammability and physical hazard, however under PPE it is classified with an 'H' which means safety goggle, gloves and apron is recommended for handling.

GHS SDS US (GHS HazCom 2012) This safety data sheet was prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product