





**Safety Data Sheet**  
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
GHS HCS 2012

**Trade name: Dairyland Brand Controlled Iodine Teat Dip 0.5% with 5% Glycerin**

## 1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Dairyland Brand Controlled Iodine Teat Dip 0.5% with 5% Glycerin  
ST-200, ST-205, ST-208, ST-209
- **Article number:** TL50
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** Sanitizing Teat Dip
- **1.3 Details of the supplier of the Safety Data Sheet**  
Stearns Packaging Corporation  
4200 Sycamore Avenue (53714)  
PO Box 3216  
Madison, WI 53704-0216  
Phone: 800-655-5008  
Email: [stearns@stearnspkg.com](mailto:stearns@stearnspkg.com)  
Website: [www.stearnspkg.com](http://www.stearnspkg.com)
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585

## 2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.  
 GHS07  
Eye Irrit. 2A H319 Causes serious eye irritation.  
-----
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 Xi; Irritant  
R36: Irritating to eyes.  
-----
- **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

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• **2.2 Label elements**

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• **Labeling according to Regulation (EC) No 1272/2008**

The product is classified and labeled according to the CLP regulation.

• **Hazard pictograms**



GHS07

• **Signal word** Warning

• **Hazard statements**

H319 Causes serious eye irritation.

• **Precautionary statements**

P280 Wear eye protection.

P264 Wash hands thoroughly after handling.

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

## 3 Composition/information on ingredients

• **3.2 Mixtures**

• **Description:** Mixture of substances listed below with nonhazardous additions.

• <b>Dangerous components:</b>		
CAS: 56-81-5 EINECS: 200-289-5	glycerol substance with a Community workplace exposure limit	5%
CAS: 9016-45-9	Ethoxylated Nonylphenol ----- Eye Irrit. 2B, H320	6%
CAS: 7553-56-2	Iodine ----- Eye Irrit. 2A, H319; Acute Tox. 4 Inh. H332, Derm. H312 Skin Irrit. 2, H315, STOT-SE 3, Resp. H335  STOT-RE 1, Oral, Thyroid, H372	0.5%

• **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First-aid measures

• **4.1 Description of first aid measures**

• **General information:** Immediately remove any clothing soiled by the product.

• **After inhalation:**

Unlikely route of exposure.

Supply fresh air; consult doctor in case of complaints.

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- **After skin contact:**

Immediately rinse with water.  
If skin irritation continues, consult a doctor.

- **After eye contact:**

Remove contact lenses if worn, if possible.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.

- **4.2 Most important symptoms and effects, both acute and delayed**

Irritant to skin and mucous membranes.  
Irritant to eyes.  
Gastric or intestinal disorders.

Cramp  
Nausea

- **Hazards**

Danger of gastric perforation.  
Danger of severe eye injury.

- **4.3 Indication of any immediate medical attention and special treatment needed**

If necessary oxygen respiration treatment.  
Medical supervision for at least 48 hours.

### 5 Fire-fighting measures

- **5.1 Extinguishing media**

• **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

• **For safety reasons unsuitable extinguishing agents:** None.

- **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.  
Sulphur dioxide (SO<sub>2</sub>)  
Carbon monoxide (CO)  
Iodine vapors

- **5.3 Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.  
Wear fully protective suit.

• **Additional information** Use large quantities of foam as it is partially destroyed by the product.

### 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Use respiratory protective device against the effects of fumes/dust/aerosol.  
Wear protective equipment. Keep unprotected persons away.  
Product forms slippery surface when combined with water.

- **6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.

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• **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Clean the affected area carefully; suitable cleaners are:

Warm water

Dispose contaminated material as waste according to item 13.

• **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

• **7.1 Precautions for safe handling**

Avoid splashes or spray in enclosed areas.

Prevent formation of aerosols.

Use only in well ventilated areas.

• **Information about fire - and explosion protection:** No special measures required..

• **7.2 Conditions for safe storage, including any incompatibilities**

• **Storage:**

• **Requirements to be met by storerooms and receptacles:**

Avoid storage near extreme heat, ignition sources or open flame.

• **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with oxidizing and acidic materials.

• **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

• **7.3 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

• **Additional information about design of technical facilities:** No further data; see item 7.

• **8.1 Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

**56-81-5 glycerol**

PEL (USA)	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV (USA)	TLV withdrawn-insufficient data human occup. exp.
EL (Canada)	Long-term value: 10* 3** mg/m <sup>3</sup> *mist; **mist, respirable
EV (Canada)	Long-term value: 10 mg/m <sup>3</sup>

• **DNELs** No further relevant information available.

• **PNECs** No further relevant information available.

• **Additional information:** The lists valid during the making were used as basis

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### • 8.2 Exposure controls

#### • Personal protective equipment:

#### • General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

#### • Respiratory protection:

Use suitable respiratory protective device when high concentrations are present.

Not required under normal conditions of use.

For spills, respiratory protection may be advisable.

#### • Protection of hands:

Hand protection not required under normal conditions of use.

#### • Eye protection:

Contact lenses should not be worn.



Safety Glasses

#### • Body protection: None required

#### • Limitation and supervision of exposure into the environment

No further relevant information available.

#### • Risk management measures

See Section 7 for additional information.

No further relevant information available.

## 9 Physical and chemical properties

### • 9.1 Information on basic physical and chemical properties

#### • General Information

#### • Appearance:

Form:

Liquid

Color:

Dark brown

#### • Odor:

Iodine odor

#### • Odor threshold:

Not determined.

#### • pH-value at 20 °C:

4.8-5.2

#### • Change in condition

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

212 °F / 100 °C

#### • Flash point:

Undetermined.

#### • Flammability (solid, gaseous):

Not applicable.

#### • Ignition temperature:

Undetermined.

#### • Decomposition temperature:

Not determined.

#### • Self-igniting:

Product is not self-igniting.

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• <b>Danger of explosion:</b>	Product does not present an explosion hazard.
• <b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
• <b>Vapor pressure at 20 °C:</b>	23 hPa
• <b>Density at 20 °C:</b>	1.04 g/cm <sup>3</sup>
• <b>Relative density</b>	Not determined.
• <b>Vapor density</b>	Not determined.
• <b>Evaporation rate</b>	Not determined.
• <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
• <b>Partition coefficient (n-octanol/water):</b>	Not determined.
• <b>Viscosity:</b>	
Dynamic at 20 °C:	20-40 cPs
Kinematic:	Not determined.
• <b>9.2 Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **10.1 Reactivity** Not determined.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Exothermic reaction with acids.  
Reacts with oxidizing agents.
- **10.4 Conditions to avoid** Keep ignition sources away - Do not smoke.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide, carbon dioxide, and iodine vapor

## 11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No known effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Subacute to chronic toxicity:** No known effect.
- **Additional toxicological information:**  
None

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## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:**  
After neutralization a reduction of the harming action may be recognized.  
The product causes an alteration of the pH-value within the testing system. The result refers to the non-neutralized sample.
- **Additional ecological information:**
- **General notes:**
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.  
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |   |                                  |
|---|----------------------------------|
| <b>• 14.1 UN-Number</b>   |                                  |
| <b>• DOT, ADR, ADN, IMDG, IATA</b>  | N/A                              |
| <b>• 14.2 UN proper shipping name</b>   |                                  |
| <b>• DOT, ADR, ADN, IMDG, IATA</b>  | Cleaning Compounds, NOI, liquid. |
| <b>• 14.3 Transport hazard class(es)</b>  |                                  |
| <b>• DOT</b>  |                                  |
| <b>• Class</b>  | N/A                              |
| <b>• 14.4 Packing group</b>   |                                  |
| <b>• DOT, ADR, IMDG, IATA</b>   | N/A                              |
| <b>• 14.5 Environmental hazards:</b>  |                                  |
| <b>• Marine pollutant:</b>  | No                               |
| <b>• 14.6 Special precautions for user</b>  | Not applicable.                  |
| <b>• 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                  |
| <b>• UN "Model Regulation":</b>   | Cleaning Compounds, NOI, liquid. |

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## 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

### • Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

### • TSCA (Toxic Substances Control Act):

All ingredients are listed.

### • Proposition 65 (California):

### • Chemicals known to cause cancer:

None of the ingredients is listed.

### • Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

### • Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

### • Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

### • Carcinogenic Categories

### • EPA (Environmental Protection Agency)

None of the ingredients is listed.

### • IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

### • TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

### • NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

### • OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

### • Canada

### • Canadian Domestic Substances List (DSL)

Contact manufacturer for specific information.

All ingredients are listed.

### • Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

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**• Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

**• 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**• Relevant phrases**

H312 Harmful in contact with skin

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H372 Causes damage to organs through prolonged or repeated exposure, thyroid.

-----  
R36 Irritating to eyes.

**• Hazardous Material Information System (U.S.A.)**

<b>Health</b>	<b>1</b>
<b>Flammability</b>	<b>0</b>
<b>Physical hazards</b>	<b>0</b>

4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant

**• NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 0

Reactivity = 0

**MSDS File Name:** TL50 DB IODINE TEAT DIP HALF PERCENT WITH 5 PERCENT GLYCERIN SDS

**• Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

**• Sources**

JBE/JER

**Revision:** 9/26/2014

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