

Tri-Fender

SAFETY DATA SHEET

Preparation Date: 03-Dec-2007 Revision Date: 24-Apr-2018 Revision Number: 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name Tri-Fender

Other means of identification

Item#: 2009 Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Sanitizing teat dip

Uses advised against All other

Details of the supplier of the safety data sheet

Supplier DeLaval Manufacturing

11100 N. Congress Ave. Kansas City, MO 64153

Tel: 816-891-7700, 8am - 5pm M-F

Emergency Telephone Number

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Emergency Overview

Appearance Brown Physical state Liquid Odor Iodine

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight %
lodine	7553-56-2	1
Glycerol	56-81-5	10

If a concentration range is shown, the exact concentration has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures

Eye contact Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, get

medical advice/attention.

Skin contact Wash off with plenty of water.

Inhalation Move to fresh air. Get medical attention immediately if symptoms occur.

Ingestion Rinse mouth. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

The product is not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours.

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Health hazards 0 Flammability 0 Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. For personal protection see section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

eyes.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Do not freeze.

Freezing will affect the physical condition but will not damage the material. Thaw and mix

before using.

Incompatible Materials strong oxidizing agents, strong acids, strong bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
lodine 7553-56-2	TWA: 0.01 ppm STEL: 0.1 ppm	Ceiling: 0.1 ppm Ceiling: 1 mg/m³	2 ppm
Glycerol 56-81-5		TWA: 10 mg/m³ TWA: 5 mg/m³ TWA: 15 mg/m³	-

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection If splashes are likely to occur, wear:. Safety glasses with side-shields.

Skin and body protectionNo special technical protective measures are necessary.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid Odor Iodine

AppearanceBrownOdor ThresholdNo information available

Property Values Remarks/ Method

pH 4 - 7

Melting point/freezing pointNo information availableBoiling Point/RangeNo information available

Flash Point None to boiling

Evaporation rate No information available Flammability (solid, gas) No information available

Flammability Limit in Air

Upper flammability limit
Lower flammability limit
Vapor Pressure
Vapor Density
Specific Gravity

No information available
No information available
No information available
No information available
1.03 - 1.06 @25C

Water Solubility soluble

Partition coefficient: n-octanol/waterNo information available
Autoignition Temperature
Decomposition temperature
Viscosity of Product
No information available
No information available

Dynamic viscosity 7 - 13 cPs

Other information

Density 8.6 - 8.8 lb/gal

10. STABILITY AND REACTIVITY

Reactivity

May react with other chemicals. Do not mix with other chemicals except as directed on label.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None known.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

strong oxidizing agents, strong acids, strong bases

Hazardous decomposition products

None known.

11. TOXICOLOGICAL INFORMATION

<u>Principal Routes of Exposure</u> Eye contact, Ingestion

Information on likely routes of exposure

Eyes May cause slight irritation.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

SensitizationProduct is not identified as a sensitizer according to OSHA regulations.Mutagenic effectsProduct is not identified as a mutagen according to OSHA regulations.CarcinogenicityProduct is not identified as a carcinogen according to OSHA regulations.

Reproductive EffectsProduct is not identified as having reproductive effects according to OSHA regulations. **STOT - single exposure**Product is not identified as having single target organ toxicity (single exposure) according to

OSHA regulations.

STOT - repeated exposure Product is not identified as having single target organ toxicity (repeated exposure)

according to OSHA regulations.

Aspiration Hazard Product is not identified as an aspiration hazard according to OSHA regulations.

Numerical measures of toxicity

If available, toxicity values of individual components are shown below.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
lodine	14000 mg/Kg	No data available	137 ppm
7553-56-2			4.588 mg/L
Glycerol	= 12600 mg/kg (Rat)	21900 mg/kg (Rat)	> 570 mg/m³ (Rat) 1 h
56-81-5			_ ` , ,

2.5% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
lodine	No data available	LC50 (96 h)	No data available	LC50 (48 h)

7553-56-2		0.53 mg/L		0.16 mg/L
Glycerol	No data available	51 - 57: 96 h Oncorhynchus	No data available	500: 24 h Daphnia magna
56-81-5		mykiss mL/L LC50 static		mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Contact your local waste disposal authority for advice, or pass to a chemical disposal

company.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
lodine	X	X	X
7553-56-2			
Glycerol	X	X	X
56-81-5			

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. OTHER INFORMATION

Preparation Date: 03-Dec-2007 Revision Date: 24-Apr-2018 Revision Note: None

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information

relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS