



RED TEAT FILM

MATERIAL SAFETY DATA SHEET

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1 PRODUCT IDENTIFIER

PRODUCT NAME RED TEAT FILM
PRODUCT CODE 010971

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

For professional use only

Hygiene Range Post milking hygiene

1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

RS Hygiene Ltd, The Street, Worlington, Suffolk IP28 728 Tel: 03331230202

2 HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

In compliance with EC regulation No. 1272/2008 and its amendments

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use

2.2. LABEL ELEMENTS

Biocidal mixture

Labelling according to Regulation (EC) No. 1272/2008 and its amendments

Additional labeling :

EUH210 Safety Data Sheet available on request.

Precautionary statements - Prevention :

P273 Avoid release to the environment

P501 Dispose of material and its container as hazardous waste

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	67/548/EEC	Note	%
CAS: 67-63-0	GHS07, GHS02	Xi,F	[1]	2.5 \leq x % < 10
EC: 200-661-7	Dgr	Xi;R36		
REACH:	Flam. Liq. 2, H225	F;R11		
01-2119457558-25-xxx	Eye Irrit. 2, H319	R67		
x	STOT SE 3, H336			
PROPAN-2-OL				
CAS: 56-81-5			[1]	2.5 \leq x % < 102
EC: 200-289-5				
GLYCEROL				

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.



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SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes :

Rinse immediately with plenty of soft and cleaner water for at least 15 minutes and keep the eyelids open.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of swallowing :

Do not induce vomiting, do not provide drink, call a physician and show the label or MSDS.4.2. Most important symptoms and effects, both acute and delayed

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

No data available.

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

Information for the doctor :

The formulation is declared at the poison control center of Nancy, France and INRS.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean-up instruction : Use an inert absorbent and wash area with plenty of water.

6.4. Reference to other sections

No data available.



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep container tightly closed in a fresh and dry place. Do not store below freezing.

Packaging

Always keep in packaging made of an identical material to the original.

Recommended types of packaging :

- Vats

Suitable packaging materials :

- Polyethylene

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA	STEL	Ceiling	Definition	Criteria :
67-63-0	200 ppm	400 ppm	-	-	-
56-81-5	10 mg/m ³	-	-	-	-

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

CAS	VME :	VME :	Excess	Notes
67-63-0	200 ml/m ³	500 mg/m ³	2(II)	DFG, Y

- France (INRS - ED984 :2008) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
67-63-0	-	-	400	980	-	84
56-81-5	-	10	-	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	400 ppm	500 ppm	-	-	-
56-815	10 mg/m ³	-	-	--	-

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

PROPAN-2-OL (CAS: 67-63-0)

Final use

Exposure method

Potential health effects

DNEL

Exposure method

Potential health effects

DNEL

Final use

Exposure method

Potential health effects

DNEL

Workers.

Dermal contact.

Long term systemic effects.

888 mg/kg body weight/day

Inhalation.

Long term systemic effects.

500 mg of substance/m³

Consumers.

Ingestion.

Long term systemic effects.

26 mg/kg body weight/day



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Exposure method	Dermal contact.
Potential health effects	Long term systemic effects.
DNEL	319 mg/kg body weight/day

Predicted no effect concentration (PNEC):

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-COCO ACYL DERIVES., INNER SALTS (CAS: 147170-44-3)

Environmental compartment	Soil.
PNEC	28mg/kg
Environmental compartment	Fresh water.
PNEC	140.9 mg/l
Environmental compartment:	Sea water.
PNEC :	140.9 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	140.9 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	552 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	2251 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)
- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state	Viscous liquid.
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Important health, safety and environmental information

pH	6.50 .
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	Neutral.
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Boiling point/boiling range :	Not specified.
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Flash point interval	Not relevant.
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Vapour pressure (50°C)	Not relevant.
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Density	0.98
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Water solubility
Melting point/melting range
Self-ignition temperature
Decomposition point/decomposition range

Dilutable.
Not specified.
Not specified.
Not specified.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

- frost

Do not mix with other products unless you have a written authorization from us.

10.5. Incompatible materials

Keep away from :

- strong acids
- strong bases
- strong oxidising agents
- strong reducing agents

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

Acute toxicity :

GLYCEROL (CAS: 56-81-5)

Oral route :

LD50 = 12000 mg/kg

Species :

Rat

Dermal route :

LD50 > 10000 mg/kg

Species :

Rabbit

Inhalation route :

LC50 > 0.57 mg/l

Species :

Rat

PROPAN-2-OL (CAS: 67-63-0)

Oral route :

LD50 = 5280 mg/kg

Species :

Rat

Dermal route :

LD50 = 12800 mg/kg

Species :

Rabbit

Study on development

Species Rat

Skin corrosion/skin irritation :

PROPAN-2-OL (CAS: 67-63-0)

Corrosivity :

No observed effect.

Serious damage to eyes/eye irritation :

PROPAN-2-OL (CAS: 67-63-0)

Causes serious eye irritation.

Corneal haze :

2 <= Average score < 3 and effects totally reversible within 21 days of observation



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Iritis : 1 \leq Average score \leq 1.5 and effects totally reversible within 21 days of observation
Conjunctival redness : Average score \geq 2.5 and effects totally reversible within 21 days of observation
Conjunctival oedema : Average score \geq 2 and effects totally reversible within 21 days of observation

Respiratory or skin sensitisation :

PROPAN-2-OL (CAS: 67-63-0)

Buehler Test :

Non-sensitiser

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 67-63-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

GLYCEROL (CAS: 56-81-5)

Fish toxicity :

LC50 = 54000 mg/l

Species :

Oncorhynchus mykiss

Duration of exposure :

96 h

Crustacean toxicity :

EC50 > 10000 mg/l

Species :

Daphnia magna

Duration of exposure :

24 h

PROPAN-2-OL (CAS: 67-63-0)

Fish toxicity :

LC50 = 9640 mg/l

Species :

Pimephales promelas

Duration of exposure :

96 h

Crustacean toxicity :

EC50 = 9714 mg/l

Species :

Daphnia magna

Duration of exposure :

24 h

Algae toxicity :

ECr50 > 1 mg/l

Species :

Desmodesmus subspicatus

Duration of exposure :

72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

GLYCEROL (CAS: 56-81-5)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

PROPAN-2-OL (CAS: 67-63-0)

Biodegradability :

no degradability data is available, the substance is considered as not

degrading quickly

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.



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13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

16 05 08 * discarded organic chemicals consisting of or containing dangerous substances

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014)

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- CLASSIFICATION AND LABELLING INFORMATION INCLUDED IN SECTION 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

- Container information:

No data available.

- Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Contains :

Risk phrase :

Safety data sheet available for professional user on request.

Safety phrase :

S 45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 49

Keep only in the original container.



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Title for H, EUH and R indications mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
R 11	Highly flammable.
R 36	Irritating to eyes.
R 67	Vapours may cause drowsiness and dizziness.

Abbreviations :

DNEL :	Derived No-Effect Level
PNEC :	Predicted No-Effect Concentration
ADR :	European agreement concerning the international carriage of dangerous goods by Road.
IMDG :	International Maritime Dangerous Goods.
IATA :	International Air Transport Association.
ICAO :	International Civil Aviation Organisation
RID :	Regulations concerning the International carriage of Dangerous goods by rail.
WGK :	Wassergefährdungsklasse (Water Hazard Class).