



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

1.1 Product identifier: Captain Tolley

1.2 Relevant identified uses of the substance or mixture and uses advised against:
An aqueous dispersion.

1.3 Details of the supplier of the safety data sheet:

Captain Tolley Ltd.
19 Church Street
Ross-on-Wye
Herefordshire
HR9 5HN

Tel:+44 20 7924 2817
e-mail: info@captaintolley.com

1.4 Emergency telephone number:
+7840055541

2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

-
Classification according to Regulation (EC) No 1272/2008

None.

2.2 Label Elements

The mixture is classified and labelled according CLP.

EUH 208 Contains 1,2-benzisothiazol-3(2H)-one (BIT) and 2-methylisothiazol-3(2H)-one (MIT). May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain substances that meet the PBT-criteria of REACH, Annex XIII.

vPvB: Does not contain substances that meet the vPvB-criteria of REACH, Annex XIII.

3. COMPOSITION

Substance	CAS No.	EC No.	Index No.	REACH reg No. REACH reg No.	% weight	Classification according to (EC) No 1272/2008	Classification according to 67/548/EEC
Ethanol	64-17-5	200-578-6	-	01-2119457610-43-xxxx	1-3%	Flam. Liq. 2 H225, Eye Irr. 2 H319	F R I I

4. FIRST AID MEASURES

4.1 Description of first aid measures

SKIN CONTACT: Immediately rinse with plenty of soap and water. Seek medical advice if irritation persists

EYE CONTACT: Immediately rinse with water for prolonged period whilst keeping the eyes open. Seek medical advice if irritation persists

INHALATION: Move affected person to fresh air

INGESTION: Rinse mouth with water. Do not induce vomiting. If swallowing has occurred the affected person should drink plenty of water. Seek medical advice immediately



4.2 Most important symptoms and effects both acute and delayed

See Section 11. No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

See Section 11. No further relevant information available

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced: e.g. Carbon monoxide, carbon dioxide

5.3 Advice for firefighters

Wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment (see Section 8)

6.2 Environmental precautions

Do not allow to enter drain, water courses or soil

6.3 Methods and material for containment and cleaning up

Contain spillage and then collect with non-combustible absorbent material e.g. sand, earth or vermiculite

6.4 Reference to other sections

For further information on exposure control/personal protection or disposal measures, refer to Section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid contact with mouth, skin and eyes

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool dry place between 5 and 25°C. Keep in a well-ventilated area. Keep away from direct sunlight. Do not freeze.

7.3 Specific end use(s)

Refer to the technical data sheet for conditions of use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits

Workplace Exposure Limits 8 hour TWA (According to EH40/05)

Ethanol 1000ppm, 1920mg/m³ (STEL 1000ppm)

Methanol 200ppm, 266mg/m³ (STEL 250ppm, 260mg/m³)

8.2 Exposure controls

Technical Protective Measures

No special measures required

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory protection (respiratory with vapour filter (EN141)).



Hand Protection

Wear suitable gloves (EN 374) Nitrile rubber. Protective gloves should be replaced at first signs of wear or chemical breakthrough.

Eye Protection

During normal use safety glasses with side shields (EN 166). If there is an increased possibility of material entering the eye (e.g. spraying activities) wear tightly fitting safety goggles.

Skin Protection

Wear impermeable overalls and closed footwear

Industrial hygiene

Wash hands after working with product. Remove and dispose of any contaminated clothing immediately.
Do not eat drink or smoke when using product.

Environmental control parameters

Prevent contamination of soil, drains and surface water.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:

Odour: ester-like

Odour threshold: not determined

Boiling point: not determined

Flash point: not determined

Auto-Ignition Temperature:

Vapour Pressure: Not determined

Density at 20°C: approx.. 1

Solubility in / Miscibility with water: completely miscible

organic solvents: Not determined

Viscosity: Dynamic at 25°C:

Other information: No further relevant information available

9.2 Other information:

No further relevant information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known under normal conditions of use

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No information available

10.4 Conditions to avoid

Extremes of temperature and direct sunlight

10.5 Incompatible materials

Oxidising agents

10.6 Hazardous decomposition products:

No decomposition if stored as directed



11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Captain Tolley

Acute toxicity:
 Harmful if swallowed.

LD50: – no data available

Primary irritant effect:
 On the skin: No data available.
 On the eye: No data available.
 Sensitisation: According to CLP classification, sensitization possible by skin contact.

Components of mixture

Ethanol

Acute toxicity:
 Oral LD50: >2000mg/kg (rat)(OECD 401)
 Inhalation LC50/4h: >20mg/l (rat)
 Dermal LD50: >2000mg/kg (rabbit) (OECD 402)

Primary irritant effect:
 On the skin: No skin irritation (Rabbit)(OECD 404).
 On the eye: Moderate eye irritation (rabbit)(OECD 405). Causes serious eye irritation.
 Sensitisation: Not sensitizing (Guinea pig)(maximization Test).

Biocide content (2-methylisothiazol-3(2H)-one and 1,2-benzisothiazol-3(2H)-one (MIT/BIT))

Acute toxicity:
 Oral LD50: 2001-5000mg/kg (rat)(OECD 423)
 Inhalation LC50/4h: >5mg/l (rat)(OECD 403)
 Dermal LD50: >2000mg/kg (rat) (OECD 402)

Primary irritant effect:
 On the skin: Caustic effect on skin and mucous membranes.
 On the eye: Strong caustic effect.
 Sensitisation: sensitization possible by skin contact.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

AQUATIC TOXICITY:	
Ethanol CAS No. 64-17-5	
LC50/48h	>100mg/l (leuciscus idus melanotus)
EC50/24h	>100mg/l (Daphnia magna)
EC50	5000mg/l (Chlorella pyrenoidosa)
EC0/16h	6500mg/l (Pseudomonas putida)
1,2-benzisothiazol-3(2H)-one CAS No. 2634-33-5	
EC50/48h	3mg/l (Daphnia)
EC50/72h	0.067mg/l (Pseudokirchneriella subcapitata)
LC50/96h	2.2mg/l (Rainbow trout)
2-methylisothiazol-3(2H)-one CAS No. 2682-20-4	
EC50/48h	1.68mg/l (Daphnia)
LC50/72h	0.157mg/l (Pseudokirchneriella subcapitata)
EC50/96h	6mg/l (Rainbow trout)



12.2 Persistence and degradability

Ethanol: No further relevant information available.

1,2-benzisothiazol-3(2H)-one & 2-methylisothiazol-3(2H)-one: biodegradable up to the MIC for bacteria

12.3 Bioaccumulative potential

Ethanol: no data available

1,2-benzisothiazol-3(2H)-one & 2-methylisothiazol-3(2H)-one: Low bioaccumulation potential (log Kow<3)

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

Do not allow contamination of soil, drains, surface water, ground water or sewerage system.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

General: Dispose of in accordance with local regulations.

Empty packaging disposal: **Contaminated** packaging material (e.g. containing product residues) should be disposed of identically to the product itself.

Uncontaminated packaging material should be treated as household waste or as recycling material.

14. TRANSPORT INFORMATION

Resin component

14.1 UN number

Classification for transport not required

14.2 UN proper shipping name

Classification for transport not required

14.3 Transport hazard class(es)

ADR/RID: Classification for transport not required

OMI-IDMG: Classification for transport not required

ICAO/IATA: Classification for transport not required

14.4 Packing group

Classification for transport not required

14.5 Environmental hazards

Marine pollutant: Classification for transport not required

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not applicable



15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulation/legislation specific for the substance/mixture

Ensure all national and local regulations are observed.

15.2 Chemical safety assessment

This SDS contains an exposure scenario in an integrated format (in the main body of the text). The relevant information has been integrated in sections 1.2, 8, 9, 12, 15 and 16 of this SDS.

16. OTHER INFORMATION

Method for hazards classification: The hazard classification of the mixture was determined using the industry standard.

List of relevant risk phrases (section 3):

R11	Highly flammable
R22	Harmful if swallowed
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R34	Causes burns
R38/41	Irritating to skin. Risk of serious damage to eyes
R39/23/24/25	Danger of very serious irreversible effects: Toxic by inhalation, in contact with skin and if swallowed
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation

Revision: The SDS has been revised according to the new format in accordance with EC regulation N° 453/2010.

Origin of key data used: This data sheet was drafted on the basis of information provided by suppliers.

Abbreviations and acronyms:

CAS : Chemical Abstracts Service N°

EINECS, ELINCS: European Chemical number

PNEC : Predicted No-Effect Concentration

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

This safety sheet has been prepared in accordance with the provisions of EC Regulation No. 1907/2006