

Material Safety Data Sheet

HUNTSMAN

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: ECOTERIC® T20

ECOTERIC is a registered trademark of Huntsman Corporation or an affiliate thereof in one or more, but not all, countries.

Other names:

INCI name: Polysorbate 20.

Recommended use: Nonionic surfactant.

Supplier: Huntsman Corporation Australia Pty Limited

ACN: 083 984 187

ABN: 67 083 984 187

Street address: 61 Market Road
Brooklyn Victoria 3012
Australia

Telephone: +613 9316 3646

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2. HAZARDS IDENTIFICATION

Hazard classification

Non-Hazardous Substance. Non-Dangerous Goods.

Based on available information, this material is not classified as hazardous according to health criteria of ASCC.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

Hazard category

None Assigned.

Risk phrase(s)

None Assigned.

Safety phrase(s)

None Assigned.

Poisons schedule (Aust): None Allocated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product name: ECOTERIC® T20

Substance Key: 000050611401

Issued: 13.11.2007

Version: 2.2

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Appearance: Clear liquid.

CHEMICAL ENTITY	CAS NO.	PROPORTION (%weight/weight)
Polyoxyethylene sorbitan monolaurate	9005-64-5	100%

This material is listed on the Australian Inventory of Chemical Substances (AICS).

4. FIRST AID MEASURES

Ingestion: Immediately rinse mouth with water. If swallowed do NOT induce vomiting. Give water to drink. Seek immediate medical attention.

Eye contact: Irrigate with copious quantities of water. Eyelids to be held open. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation occurs seek medical attention. Wash contaminated clothing before re-use.

Inhalation: Remove victim from exposure. Keep at rest until fully recovered. Seek medical advice.

Medical attention and special treatment: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: For large fires use water fog, fine water spray or foam. Do not use water jets. For small fires use foam, dry chemical, carbon dioxide or water spray.

Hazards from combustion products: Combustible liquid. On burning will emit toxic fumes including those of carbon monoxide and carbon dioxide.

Precautions for fire fighters and special protective equipment: Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighters uniform.

Hazchem code: None assigned.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures: Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Do not touch or walk through spilled material.

Methods and materials for containment and clean up procedures: Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled drums for disposal. Wash area down with excess water to remove residual material.

7. HANDLING AND STORAGE

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Precautions for safe handling: Avoid eye contact and repeated or prolonged skin contact. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

Conditions for safe storage: Store in a cool place and out of direct sunlight. Store away from oxidising agents. Keep containers closed at all times – check regularly for leaks.

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards

No value assigned for this specific material by the Australian Safety and Compensation Council (ASCC).

Biological limit values

Not Relevant.

Engineering controls: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal protective equipment: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES (Short). Wear overalls, safety glasses and impervious gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Clear liquid.

Solubility: Soluble in water, lower alcohols, glycol ethers and aromatic solvents. Insoluble in aliphatic solvents, mineral oils and most vegetable oils (1).

Specific Gravity (25°C):	1.098	Pour Point (°C):	-10
Rel Vapour Density (air=1):	N Av	Boiling Point (°C):	N Av
Vapour Pressure (20°C):	N Av	Decomp. Point (°C):	N Av
Flash Point (°C):	>150	Sublimation Point (°C):	N App
Flammability Limits (%):	N Av	pH (1% aqueous soln):	6 - 8
Autoignition Temp (°C):	N Av	Viscosity (20°C):	550 cP
% Volatile by weight :	Nil	Evaporation Rate:	N Av
Solubility in water:	N Av	(n-Butyl acetate=1)	

(Typical values only - consult specification sheet)

N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Excessive heat will lead to accelerated oxidative degradation.

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Incompatible materials: Reacts with strong oxidising agents.

Hazardous decomposition products: Carbon monoxide and carbon dioxide.

Hazardous reactions: None known.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Acute Effects

Ingestion: No adverse effects expected, however large amounts may cause nausea and vomiting.

Eye contact: Not expected to be an eye irritant (2).

Skin contact: A mild skin irritant. Will have a degreasing action on the skin.

Inhalation: Not expected to cause respiratory irritation (2).

Long Term Effects:

No information available for product.

Acute toxicity / Chronic toxicity

Oral LD50 (rat): > 30 000 mg/kg (2)

Skin (Draize, human): Mild irritation (3)

12. ECOLOGICAL INFORMATION

Ecotoxicity

96 hr LC50 (rainbow trout): 216 mg/L (2)

IC0 (Pseudomonas putida): > 10, 000 mg/L (2)

A study on daphnia has shown that repeated doses produce no adverse reproductive effects up to the concentration of 10 mg/L (2).

Not hazardous to aquatic organisms.

Persistence/degradability

The substance is expected to be readily biodegradable according to the AS 4351 Part 2 test method.

Mobility

No data available for product.

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Empty containers should be forwarded to an approved agent for recycling. Avoid unauthorised discharge to sewer.

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Special precautions for landfill or incineration: Material suitable for disposal by incineration or landfill through an approved agent.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Country/Region	Inventory	Status
Australia	AICS	Listed
Canada	DSL	Listed
Europe	EINECS	Exempt from listing
Japan	ENCS	Listed
Korea	ECL	Listed
New Zealand	NZIoC	Listed
United States	TSCA	Listed

Poisons schedule (Aust): None Allocated

16. OTHER INFORMATION

Literary reference

- (1) ECOTERIC T20 Product Data Sheet, 07/2001.
- (2) Safety Data Sheet, 05/1994.
- (3) RTECS #TR7400000, 08/2003.

Reason(s) For Issue: Added INCI name and revised regulatory information.

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Huntsman Corporation Australia Pty Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

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If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

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