

MATERIAL SAFETY DATA SHEET

TECHNOTAN TAN IN A CAN

HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

Hazardous substance, dangerous goods according to the criteria of NOSHC

EMERGENCY OVERVIEW: Flammable

POISONS SCHEDULE: Not applicable

HAZARD CATEGORY: Refer section 15

POTENTIAL HEALTH EFFECTS

EYES: Contact may irritate or burn eyes. Strong cooling effect from propellant. Moderate eye irritant. High vapour level may lead to irritation.

SKIN: May cause irritation to sensitive skin. Concentrated spray on the skin may result in cold burn due to cooling effect of the propellant.

INHALATION: Readily inhaled due to aerosol nature. Intentional misuse by concentrating and inhaling the vapour may be harmful or fatal.

INGESTION: Harmful if swallowed. May cause irritation of the gastrointestinal tract with vomiting. Not a likely entry route. Mucous membranes will be affected by the chill aspect of the propellant if concentrated. Health injuries are

not likely in normal use.

TARGET ORGANS: Eyes, central nervous system, skin, respiratory system.

CHRONIC EFFECTS: May cause central nervous system disorders including narcosis involving a lack of coordination and fatigue. Prolonged skin contact may cause defatting and dermatitis.

SYMPTOMS: Decrease in motor functions, narcosis, blurred vision, dermatitis, rash.

RISK

Flammable material

Irritant to the skin on prolonged contact

Irritant to the eyes

Slippery when wet

SAFETY

Avoid all sources of ignition

Avoid prolonged contact with the skin

Avoid eye contact.

Clean up spills

Store in a cool dry area

IMPORTANT NOTICE

This Material Safety Data Sheet (MSDS) is issued by Meridian Solutions P/L T/A TechnoTan in accordance with Worksafe Australia guidelines. As such, the information contained herein must not be altered, deleted or added to. TechnoTan will issue new a MSDS should there be a change in product specifications and/or Worksafe guidelines/regulations. TechnoTan will not accept responsibility for any changes made to its MSDS in content by any other person or organisation.

CHEMICAL PRODUCT IDENTIFICATION

PRODUCT NAME: TechnoTan Tan in a Can

PRODUCT USE: Skin Colour

HAZARDOUS INGREDIENTS

DESCRIPTION	CAS NUMBER	PERCENT
Ethanol	64-17-5	>40%
Propane	74-98-6	<20%
Butane	106-97-8	<10%
Isobutanel	74-98-6	<10%

OTHER INGREDIENTS

Non hazardous ingredients to 100%

FIRST AID

SWALLOWED: Rinse mouth with water. Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance. Contact Doctor or Poisons Information Centre.

EYES: Remove contact lenses. Irrigate 15 minutes with cold water, including under eyelids. If discomfort persists seek medical attention promptly.

SKIN: Wash with soap and water. Seek medical attention. Remove contaminated clothing. If

redness or swelling persists, seek medical attention.

INHALED: If symptoms of over exposure are experienced, remove to fresh air. Lay person down. Keep warm and rested. Prosthesis such as false teeth which may block airways should be removed prior to commencing first aid.

ADVICE TO PHYSICIANS (Emergency Treatment): Treat symptomatically. Symptoms may be delayed.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Do not touch spilt material with skin. Wash with cloth soaked in methylated spirits to remove from hard surfaces. Remove from skin with soap and water. If the aerosol container is leaking, or damaged, do not handle unless wearing appropriate personal protection, gloves apron and face mask. Caution: leaking cans may explode if near an ignition source. Do not smoke while using product. Clean up all spills promptly. Avoid breathing vapours. Place in suitable containers for disposal. May be a slip hazard.

MAJOR SPILLS: Clear personnel not involved with clean-up from the work area. Shut off all sources of ignition. Do not smoke. Increase ventilation. Spread sand to reduce slip hazard. Clean spills immediately. Wear self protective equipment to eliminate contact and inhalation of vapours. Collect and seal in metal containers for subsequent safe disposal according to the requirement of local government. If contamination of sewers or waterways occurs, immediately notify the relevant authorities.

FIRE FIGHTING MEASURES

SPECIFIC HAZARDS: Flammable gas. Avoid all ignition sources. Flammable gas under pressure. Gas may travel to remote ignition sources and burn back. Gas is heavier than air. Container may explode if heated.

FIRE FIGHTING FURTHER ADVICE: Flammable gas. Heating can cause rupture of containers. Keep containers cool with water spray. Burning will result in the release of toxic fumes, including carbon dioxide. Fire fighters are to wear self-contained breathing apparatus if the extent of the fire reduces access to fresh air.

SUITABLE EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide.

FIRE/EXPLOSION HAZARD: Combustible liquid Alert Fire Brigade and advise nature of the chemical substance. Wear self contained breathing apparatus in the event of major fires. Do not approach containers that may be hot. Combustion will result in the release of large quantities of carbon dioxide, carbon monoxide and oxides of nitrogen.

FIRE INCOMPATIBILITY: Avoid contact with oxidising agents.

HAZCHEM CODE: 2[Y].

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 **TechnoTan**TM
UV FREE TANNING CONCEPTS

MATERIAL SAFETY DATA SHEET

TECHNOTAN TAN IN A CAN

EXPOSURE CONTROLS

ACCUTE TOXICITY/CHRONIC TOXICITY

The maximum airborne concentration below which is believed most individuals may work without ill effects is as follows:

INGREDIENTS	CAS NUMBER	TLV-WA	CRITICAL EFFECTS
Ethanol	64-17-5	1000ppm	CNS impairment
Propane	74-98-6	1000ppm	CNS impairment
Butane	106-97-8	1000ppm	CNS impairment
Isobutanol	64-17-5	1000ppm	CNS depression

ENGINEERING MEASURES

Use in a well ventilated area. Keep containers closed when not in use.

PERSONAL PROTECTIVE MEASURES

Not required when used in accordance with the directions supplied.
Avoid contact with eyes.

In the case of accidental spills, wear gloves and safety goggles.
Gloves should be neoprene, PVC or butyl.

PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Brown liquid under pressure in an aluminium or steel can.

BOILING/MELTING POINT: Not determined

PHYSICAL STATE: Gas

VAPOUR PRESSURE: Not determined

FLASH POINT: -60°C approximately

FLAMMABILITY LIMITS: Not determined

DENSITY: Not determined

SOLUBILITY IN WATER: Not soluble

VOLATILES: Hydrocarbons, Ethanol

AUTO IGNITION: 287°C approximately

VOC: (Weight %)>90

STABILITY & REACTIVITY

CHEMICAL STABILITY: Risk of explosion or fire

INCOMPATIBLE MATERIALS: Acids, amines, oxidising agents, corrosive materials.

TOXICOLOGICAL INFORMATION

SWALLOWED: May result in nausea, vomiting and abdominal pain.

EYES: Moderate to high eye irritant.

SKIN: Repeated or prolonged skin contact may cause irritation. Some individuals may be sensitised and experience more than normal skin reaction. Intensive skin contact may result in defatting of the skin and may result in dermatitis.

INHALED: Inhalation can cause nose, throat and respiratory tract irritation, coughing and headache.

LONG TERM: Prolonged or repeated exposure may lead to drying, defatting or dermatitis of the skin.

LONG TERM EFFECTS: Prolonged exposure may lead to defatting of the skin.

ACCUTE TOXICITY/CHRONIC TOXICITY

INGREDIENTS	CAS NUMBER	LC50/LD50
Ethanol	64-17-5	Inhalation LC50 rat; 125 gm3/4h
Propane	74-98-6	Dermal LC50 rat; 658mg/Kg
Butane	106-97-8	Inhalation LC50 rat; 658 gm3/4h
Isobutanol	64-17-5	Inhalation LC50 rat; 658 gm3/4h

CARCINOGENICITY

No data to indicate any ingredients is a suspect carcinogen.

ECOLOGICAL INFORMATION

ECOTOXICITY

The components are not expected to be harmful to aquatic life.

Ethanol: Ecotoxicity Microtox data: 5 min.

EC50 Photobacterium Phosphoreum; 35470mg/L

Avoid contaminating waterways.

REGULATORY INFORMATION

Hazardous substance according to the requirements of Worksafe Australia.

HAZARD CATEGORY: Not applicable

R-PHASE: Not applicable

S-PHASE: Not applicable

OTHER INFORMATION:

HMIS Ratings:

Health: 1

Flammability: 4

Physical Hazard: 0

HANDLING & STORAGE

Precautions as for combustible liquids. Avoid contact with polymerisation catalysts such as aluminium chloride and acidic clays. Avoid strong oxidising agents. Store in a cool place out of

direct sunlight, and away from all potential sources of ignition. Keep containers closed when not in use.

TRANSPORT INFORMATION

Classified as Dangerous Goods for the purpose of transport by road or rail. Refer to relevant local regulations for storage and transport.

CLASS 2 Flammable Gas

IATA hazard Class 2.1

ITA Subsidiary hazard Class: 3

UN No: 1950

Shipping Name: Aerosol, flammable.

Segregation: Not to be loaded with explosives Class 1, flammable gases Class 2.1, spontaneously combustible material Class 4.2, oxidising agents Class 5.1, organic peroxides Class 5.2, radioactive substances Class 7.

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