

MATERIAL SAFETY DATA SHEET

PRODUCT: COMPOUND THINNER

REVISED DATE: 01/06/2016

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SECTION 1: IDENTIFICATION of the MATERIAL and SUPPLIER

Product Name: COMPOUND THINNER

Code:

Other Names: THINNER

Product Use:

Supplier: Trimfix Supplies (A.B.N 90 053 151 397)

Address: Unit 5/200 Hamilton Road, New Gisborne, VIC, 3438

Phone: 03 5428 3988

Facsimile:

03 5428 4988

Emergency Telephone Number:

Poisons Information Centre 131 126 (24 hours a day)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Statement of Hazardous Nature

This product is classified as: Xi, Irritating. Hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code. However, this is a C1 Combustible Liquid so must be stored and handled as specified in AS 1940 "The storage and handling of flammable and combustible liquids."

Risk Phrases: R36/37/38. Irritating to eyes, respiratory system and skin.

Safety Phrases: S2, S23, S26, S38, S51, S24/25. Keep out of reach of children. Do not breathe vapours. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. In case of insufficient ventilation, wear suitable respiratory equipment. Use only in well ventilated areas. Avoid contact with skin and eyes.

SUSMP Classification: S5

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated



GHS Signal word: WARNING

HAZARD STATEMENT:

H227: Combustible liquid.

H315: Causes skin irritation.

H320: Causes eye irritation.

H335: May cause respiratory irritation.

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SECTION 2: HAZARD IDENTIFICATION cont.

PREVENTION

- P102: Keep out of reach of children.
- P210: Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
- P261: Avoid breathing fumes, mists, vapours or spray.
- P264: Wash contacted areas thoroughly after handling.
- P271: Use only outdoors or in a well ventilated area.
- P280: Wear protective gloves, protective clothing and eye or face protection.

RESPONSE

- P312: Call a POISON CENTRE or doctor if you feel unwell.
- P362: Take off contaminated clothing and wash before reuse.
- P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313: If skin irritation occurs: Get medical advice.
- P337+P313: If eye irritation persists: Get medical advice.
- P391: Collect spillage.
- P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, water fog.

STORAGE

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL

- P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage.
For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Emergency Overview

Physical Description & Colour: Clear liquid.

Odour: Characteristic odour.

Major Health Hazards: irritating to eyes, respiratory system and skin. Bonds on contact – may stick things to skin, or bond fingers together.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is an inhalation irritant. Symptoms may include headache, irritation of nose and throat and increased secretion of mucous in the nose and throat. Other symptoms may also become evident, but they should disappear after exposure has ceased.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:



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Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

SECTION 3: HAZARD IDENTIFICATION

Chemical Name	CAS-No	Weight %
<i>Dimethyl ether</i>	115-10-6	40-70
<i>Isobutane</i>	75-28-5	15-40
<i>Propane</i>	74-98-6	15-40

SECTION 4: FIRST AID MEASURES

General Advice: Call 000 or emergency medical service. Remove and isolate contaminated clothing and shoes.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash off with warm water and soap. In case of contact with liquefied gas, thaw frosted parts with lukewarm water.

Inhalation: Move victim to fresh air. Administer oxygen if breathing is difficult and you are trained. If breathing has stopped, contact emergency medical services immediately.

Ingestion: Clean mouth with water and afterwards drink plenty of water. Consult a physician.

Notes to Physician: Treat symptomatically.

Protection of First-aiders:

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.



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SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties: Extremely flammable liquefied gas. Vapors from liquefied gas are initially heavier than air and spread along ground. Containers may explode when heated.

Flash Point Method -155°F / -104°C
estimated

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire. Dry chemical or CO2. Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. **Damaged cylinders should be handled only by specialists.**

Hazardous Combustion Products: Carbon monoxide, Carbon dioxide (CO2), Formaldehyde.

Explosion Data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: Yes.

Specific Hazards Arising from the Chemical

Vapors from liquefied gas are initially heavier than air and spread along ground. Vapors may travel to areas away from work site before igniting/flashing back to vapor source.*. Cylinders exposed to fire may vent and release flammable gas through pressure relief devices . Ruptured cylinders may rocket.

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 Hazard 2	Flammability 4	Stability 0	Physical and Chemical Hazards-
HMS: Health Hazard 2	Flammability 4	Physical Hazard 0	Personal Protection-

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Stop leak if you can do it without risk. Evacuate personnel to safe areas. Remove all sources of ignition. Take precautionary measures against static discharges. Pay attention to flashback. Keep people away from and upwind of spill/leak.

Environmental Precautions: Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. Prevent entry into waterways, sewers, basements or confined areas.



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Methods for Containment: If possible, turn leaking containers so that gas escapes rather than liquid. Allow substance to evaporate.
Methods for Cleaning Up: This material is a gas at room temperature. Do not direct water at spill or source of leak.
Other Information: Ventilate the area.

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SECTION 7: HANDLING and STORAGE

Precautions for Safe Handling:

Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Contents under pressure. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

Conditions for Safe Storage:

Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. Keep at temperature not exceeding 52°C.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isobutane 75-28-5	TWA: 1000 ppm	N/A	N/A
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m3	IDLH: 2100 ppm 10% LEL TWA: 1000 ppm TWA: 1800 mg/m3

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures: Showers
 Eyewash stations
 Ventilation systems

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.
Skin and Body Protection Wear fire/flame resistant/retardant clothing. Antistatic boots. Neoprene gloves.

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Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures: When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and Clothing.

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SECTION 9: PHYSICAL – CHEMICAL PROPERTIES

Appearance:	Colourless.	Odour	Slight ethereal.
Odour Threshold:	No information available	Physical State:	Aerosol
pH	No information available	Method	estimated
Flash Point	-155°F / -104°C	Decomposition Temperature:	No information available
Autoignition Temperature	No information available	Melting Point/Range:	No information available
Boiling Point/Range	-42.2 to -11.7°C	Explosion Limits:	No information available
Flammability Limits in Air	No information available	Water Solubility	3.5%.
Specific Gravity	0.6	Evaporation Rate	No information available
Solubility	No information available	Vapor Density	No data available
Vapor Pressure	No data available		
VOC Content	Not applicable		

SECTION 10: STABILITY and REACTIVITY

Chemical Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Heat, flames and sparks. Temperatures above 52°C.
Incompatible materials:	Strong oxidizing agents. Halogens. Strong acids. Aluminium hydride. Aluminum lithium hydride.
Hazardous decomposition products:	Formaldehyde. Carbon monoxide (CO). Carbon dioxide (CO ₂).
Hazardous reactions:	None under normal processing.
Hazardous Polymerization:	Hazardous polymerization does not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	No acute toxicity information is available for this product.
Inhalation	May be harmful if inhaled. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
Eye Contact	May cause irritation.
Skin Contact	Contact with product may cause frostbite.
Ingestion	Not an expected route of exposure.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethyl ether			308.5 mg/L (Rat) 4 h



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Isobutane		658 mg/L (Rat) 4 h
Propane		658 mg/L (Rat) 4 h

Chronic Toxicity

Chronic Toxicity: Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Carcinogenicity: There are no known carcinogenic chemicals in this product.

Target Organ Effects: Central nervous system (CNS), Heart.

PRODUCT: TEMPLATE

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.

Chemical Name	Log Pow
Isobutane 2.88	Propane 2.3

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Methods:

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging:

Dispose of in accordance with local regulations. Do not re-use empty containers.

US EPA Waste Number:

D001

SECTION 14: TRANSPORT INFORMATION

**Classified as Dangerous Goods according to the Australian Code for the
 Transport of Dangerous Goods by Road and Rail.**

UN Number: 1950
Proper Shipping Name: Aerosols
Class and subsidiary Risk: 2.1
Packaging Group: None Allocated
Special Precautions for User: Not applicable.
Hazchem Code: 2(Y)E

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL Complies



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EINECS Complies
 ELINCS Complies
 ENCS Complies
 IECS Complies
 KECL Complies
 PICCS Complies

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SECTION 15: REGULATORY INFORMATION cont.

SECTION 16: OTHER INFORMATION

Emergency Contact: Poisons Information Centre 13 11 26
 Trimfix Supplies (03) 54283988

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