



HOLDIT

MATERIAL SAFETY DATA SHEET

HOLDITA471

Revised Date: June 2011

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MODIFIED by HOLDTITE AUSTRALIA

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: HOLDIT A471

Other Names: A471

Use: Anaerobic Activator

Part Number: A471 (200mls)

Supplier: Holdtite Australia Pty Ltd
Address: 21 Heath Street
Lonsdale, South Australia, 5160

Emergency Tel: +61 1300 552 680
Telephone: +61 8 8186 0844
Fax: +61 8 8186 0252

Emergency Contact Address: See Above Address

Other Information: The information below is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This Company shall not be held liable for any damage resulting from handling or from contact with the above product.

SECTION 2. HAZARDOUS IDENTIFICATION

Extremely flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Irritating to eyes.

Classification (1999/45) Xi;R36 F+;R12. R66, R67

Environment The product is not expected to be hazardous to the environment.

Physical & Chemical Hazardous Pressurized container; Must not be exposed to temperatures above 50°C. the product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures.

Human Health In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue dizziness and nausea.

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SECTION 3. COMPOSITION/INFORMATION OF INGREDIENTS

Name	EC No.	CAS No.	Content %	Classification (67/548/EEC)
Acetone	200-662-2	67-64-1	30-60%	F;R11 Xi;R36 R66 R67
Butane/Isobutane		106-97-8	10-30%	F+;R12
Methyl Methacrylate	201-297-1	80-62-6	<1%	F;R11 R43 Xi;R37/38
Propane	200-827-9	74-98-6	10-30%	F+;R12

***For Full Text of all R-Phrases listed please consult Section 16 of this MSDS.*

SECTION 4. FIRST AID MEASURES

General Information Move exposed person to fresh air at once.

Inhalation Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

Eye Contact Immediately rinse with water. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention promptly if symptoms occur after washing.

Skin Contact Wash skin with soap and water. Get medical attention if any discomfort continues.

Ingestion Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention if any discomfort continues.

SECTION 5. FIRE FIGHTING MEASURES**Extinguishing Media**

Water spray, foam, dry powder or carbon dioxide.

Special Fire Fighting Procedures

Use water spray to reduce vapors. Aerosol cans may explode in a fire. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

Unusual fire & explosion hazards

Extremely flammable. Forms explosive mixtures with air. May explode in a fire. Vapors are heavier than air and may spread near ground to sources of ignition.

Specific Hazards

Pressurized container. Must not be exposed to temperatures above 50°C.

SECTION 6. ACCIDENTIAL RELEASE MEASURES

Personal precautions Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

Environmental precautions Avoid discharge into drains.

Spill, cleanup methods Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Provide ventilation and confine spill. Do not allow runoff to sewer.

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SECTION 7. HANDLING AND STORAGE**Precautions for safe handling**

Keep away from heat, sparks and open flame. Read and follow manufactures recommendations. Avoid inhalation of vapors and spray mist. Do not spray on a naked flame or any incandescent material. When sprayed on a naked flame or any incandescent material the aerosol vapors can be ignited.

Conditions for safe storage, including any incompatibilities

Extremely flammable. Store at moderate temperatures in dry, well ventilation area. Keep away from heat, sparks and open flame. Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. do not pierce or burn, even after use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA-8hrs		STEL -15 Min		Notes
Acetone	WEL	500ppm	1210mg/m3	1500ppm	3620mg/m3	
Butane/Isobutane	WEL	600ppm		750ppm		
Methyl Methacrylate	WEL	50ppm	208mg/m3	100ppm	416mg/m3	

WEL = Workplace Exposure Limit.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

HYGIENE MEASURES

When using do not eat, drink or smoke. Wash promptly if skin becomes wet or contaminated.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance Aerosol
Colour Varying
Odour Of Solvents

***Physical data comments: Information given concerns the major ingredient 23 Flammable gas.*

Flash Point(°C) <-40°C

Auto Ignition 410-580

Temperature (°C)

FLAMMABILITY LIMIT – LOWER (%) 1.8%

FLAMMABILITY LIMIT – UPPER (%) 9.5%

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SECTION 10. STABILITY AND REACTIVITY

Stability Highly Volatile
Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

SECTION 11. TOXICOLOGY INFORMATION

Skin Contact Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking.
Eye Contact Irritating to eyes. Spray and vapour in the eyes may cause irritation and smarting.
Health Warnings In high concentrations, vapors are narcotic and may cause headache, fatigue, dizziness and nausea. Arrhythmia (deviation from normal heart beat)
Route of Entry Inhalation
Target Organs Central nervous system, respiratory system, lungs.
Medical symptoms Narcotic effect. Vapors may cause drowsiness and dizziness.


SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity The product is not expected to be toxic to aquatic organisms. Do not allow to enter drains, sewers or watercourses.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Considerations Make sure containers are empty before discarding (explosion risk). Do not puncture or incinerate even when empty. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14. TRANSPORT INFORMATION

Proper Shipping Name	Aerosols		
Environmentally Hazardous	No.		
Substance/Marine Pollutant UN No. Road	1950	ADR Class	Class 2: Gases
ADR Class No	2, 5F	ADR Label No.	2.1
ADR Packaging Group	#	IMDG Packaging Group	#
UN No. SEA	1950	AIR CLASS	2
IMDG CLASS	2	AIR Packaging Group	#
EMS	F-D, S-U		
UN No. AIR	1950		
AIR SUB CLASS	2.1		

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SECTION 15. REGULATORY INFORMATION**Labeling**

Xi: Irritant



Extremely Flammable

Risk Phrases

R12 Extremely flammable
R36 Irritating to eyes
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapors may cause drowsiness and dizziness

Safety Phrases

A1 Pressurized container; protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use.
A2 Do not spray on a naked flame or any incandescent material.
S2 Keep out of the reach of children
S9 Keep container in a well ventilated place.
S16 Keep away from sources of ignition – No smoking.
S23 Do not breathe vapor/spray
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
S60 This material and its container must be disposed of as hazardous waste.

SECTION 16. OTHER INFORMATION**Risk Phrases in full**

R12 Extremely flammable
R11 Highly Flammable
R36 Irritating to eyes
R37/38 Irritating to respiratory system and skin.
R43 May cause sensitization by skin contact.
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapors may cause drowsiness and dizziness.

CONTACT POINT**Technical Contact****Number:** Head Office Tel: 1300 552 680

End of MSDS