

**HOLDIT®****MATERIAL SAFETY DATA SHEET****HOLDITA113***Revised Date: June 2011*

Page 1 of 5

MODIFIED by HOLDTITE AUSTRALIA

**SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product Name:** HOLDIT A113

**Other Names:** A113

**Use:** Activator

**Part Number:** A113 (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; vapors may cause drowsiness and dizziness. Irritating to skin. Possible risk of impaired fertility. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**

**Classification (1999/45)** Xi;R48/20 Repr. Cat. 3;R62. Xi;R38. F+;R12. N;R51/53. R67

**Environment** The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic 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.

**HOLDIT®****MATERIAL SAFETY DATA SHEET****HOLDIT A113**

Revised Date: June 2011

Page 2 of 5

MODIFIED by HOLDTITE AUSTRALIA

**SECTION 3. COMPOSITION/INFORMATION OF INGREDIENTS**

Name	EC No.	CAS No.	Content %	Classification (67/548/EEC)
Butane/Isobutane		106-97-8	10-30%	F+;R12
Hexane-norm	203-777-6	110-54-3	30-60%	F;R11 Repr. Cat, 3;R62 Xn;R48/20, R65 Xi;R38 R67 N;R51/53
N,N_Dimethyl-Para-Toluidine	202-805-4	99-97-8	<1%	T;R23/24/25 R33 R52/53
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. ACCIDENTAL 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.

**HOLDIT<sup>®</sup>****MATERIAL SAFETY DATA SHEET****HOLDIT A113**

Revised Date: June 2011

Page 3 of 5

MODIFIED by HOLDTITE AUSTRALIA

**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
Butane/Isobutane	WEL	600ppm	750ppm	
Hexane-norm	WEL	20ppm	72mg/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%

**HOLDIT®****MATERIAL SAFETY DATA SHEET****HOLDIT A113**

Revised Date: June 2011

Page 4 of 5

MODIFIED by HOLDTITE AUSTRALIA

**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** Irritating to skin. Prolonged and frequent contact may cause redness and irritation.  
**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. Skin absorption.  
**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 contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. Dangerous for the environment if discharged into watercourse. 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**

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



**MATERIAL SAFETY DATA SHEET**

**HOLDIT A113**

Revised Date: June 2011

Page 5 of 5

MODIFIED by HOLDTITE AUSTRALIA

**SECTION 15. REGULATORY INFORMATION**

**Labeling**



Xi: Irritant      Extremely Flammable      Dangerous for the environment.

**Risk Phrases**

R12      Extremely flammable  
R38      Irritating to skin  
R48/20      Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R51/53      Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrases**

R62      Possible risk of impaired fertility  
R67      Vapors may cause drowsiness and dizziness  
S2      Keep out of the reach of children  
S9      Keep container in a well ventilated place.  
S13      Keep away from food, drink and animal feeding stuff.  
S16      Keep away from sources of ignition – No smoking.  
S23      Do not breathe vapor/spray  
S24      Avoid contact with skin.  
S29/56      Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
S36/37      Wear suitable protective clothing and gloves.  
S51      Use only in well-ventilated areas.  
S61      Avoid release to the environment. Refer to special instructions/safety data sheets.

**SECTION 16. OTHER INFORMATION**

**Risk Phrases in full**

R33      Danger of cumulative effects  
R12      Extremely flammable  
R52/53      Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R48/20      Harmful; danger of serious damage to health by prolonged exposure through inhalation.  
R65      Harmful: may cause lung damage if swallowed.  
R11      Highly Flammable  
R38      Irritating to skin  
R62      Possible risk of impaired fertility.  
R23/24/25      Toxic by inhalation, in contact with skin and if swallowed  
R51/53      Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R67      Vapors may cause drowsiness and dizziness.

**CONTACT POINT**

**Technical Contact**

**Number:**      Head Office Tel: 1300 552 680

\*\*End of MSDS\*\*