

**Lockdown PVC Pipe Cement** 

Part No. LD-04C, LD-04P, LD-11C, LD-11P

## SECTION 1 - IDENTIFICATION

**Product Identifier** 

Product Number(s) LD-04C, LD-04P, LD-11C, LD-11P
Product Name Lockdown - 4.5 oz & 11oz cans

Other Means of Identification

Recommended Use and Restrictions on Use

**Recommended Use** Spray on solvent cleaner/primer & Cement for use on all PVC pipes.

Restrictions on Use None Identified

24 hr Emergency Phone Number

800-255-3924 (Chem-Tel)

	MANUFACTURER DETAILS	SUPPLIER DETAILS
Name Address	Xantus Products 350 N Walnut st Champaign, IL 61820	Name Address
Phone Number Fax Number	217-607-5846 217-356-0166	Phone Number Fax Number

# **SECTION 2 - IDENTIFICATION**

#### **Hazard Classification**

I	HEALTH	HAZARDS				PHYSICAL HAZARDS			
Acute Tox. Oral		Mutagenicity		Unstable Explosive		Refrigerated Liq. Gas		Pyrophoric Solid	
Acute Tox. Skin		Carcinogenicity	2	Explosive		Flammable Liquid		Emits Flammable Gas	
Acute Tox. Inhalation		Tox. to Reproduction		Flammable Gas		Flammable Solid		Oxidizing Liquid	
Skin Irritation		STOT SE	3	Aerosol	1	Self-Reactive Sub.		Oxidizing Solid	
Eye Irritation	2	STOT RE		Oxidizing Gas		Pyrophoric Liquid		Organic Peroxide	
Resp. Sensitization		Aspiration Hazard		Gas Under Pressure	Х	Self-Heating Substance		Corrosive to Metal	
Skin Sensitization					ENVI	RONMENTAL HAZARDS (GHS F	Rev 3	Only)	
				Aquatic Acute		Aquatic Chronic		Ozone Depleting	

Signal Word

**Hazard Pictograms** 

Danger







**Hazard Statements** 

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer.

Precautionary Statements

General

Keep out of reach of children.

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.



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Response IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get

medical attention. Call a POISON CENTER or doctor if you feel unwell.

Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do no expose to

temperatures exceeding 50 °C/122°F.

**Disposal** Dispose of contents/container in accordance with local regulations.

 Hazards Not Otherwise Classified
 None identified.

 Unknown Acute Toxicity
 8.5 % by wt

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	% WT RANGE*
1	Acetone	0000067-64-1	15 - 40
2	Tetrahydrofuran	0000109-99-9	15 - 40
3	Methyl Ethyl Ketone	0000078-93-3	10 - 30
4	Propane	0000074-98-6	10 - 30
5	Polyvinyl Chloride	0009002-86-2	7-13

<sup>\*</sup> Exact percentages of composition withheld as trade secret

## SECTION 4 - FIRST AID MEASURES

#### Description of First-Aid Measures

**General** If exposed or concerned seek medical advice/attention.

Eye Contact Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.

**Skin Contact** Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness.

Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.

Ingestion Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep

airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious,

or convulsing.

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical

attention if symptoms persist or if unconscious.

First-Aid Responder Protection Wear adequate personal protective equipment based on the nature and severity of the emergency.

### Most Important Symptoms and Effects, Both Acute and Delayed

**Eye Contact** Liquid contact may cause pain along with moderate eye irritation.

Skin Contact Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May

cause more severe response if confined to skin.

**Ingestion** Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to

membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.

Inhalation Prolonged or repeated overexposure is an esthetic. May cause irritation of the respiratory tract, or acute nervous

system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous

membranes, coughing, and dyspnea are also possible.

#### Indication of Immediate Medical Attention and Special Treatment

 Notes to Physician
 Treat symptomatically.

 Specific Treatments/Antidotes
 No information available.

 Immediate Medical Attention
 No information available.

## SECTION 5 - FIRE-FIGHTING MEASURES

### Extinguishing Media

Suitable Extinguishing Media Water, CO2, dry chemical, or universal aqueous film forming foam



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Unsuitable Extinguishing Media Water jet

Specific Hazards Arising from the Chemical or Mixture

**Decomposition Products**Oxides of carbon (CO, CO2), smoke, and/or vapors

Hazards from the Product CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE. In a fire or if heated, a pressure increase will occur which

may result in the container bursting. Vapors heavier than air may spread along the ground and travel to an ignition

source.

Advice for Firefighters

**Protective Actions** Use water spray to cool fire exposed containers as contents may rupture violently from heat developed pressure.

**Protective Equipment**As with any fire wear SCBA pressure-demand, MSHA/NIOSH approved, and full protective gear.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel No action should be taken by non-emergency personnel without suitable training. Evacuate surrounding areas. Keep

unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources

and provide adequate ventilation only if it is safe to do so.

For Emergency Responders Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel.

**Environmental Precautions** 

**Precautions** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

#### Methods and Materials for Containment and Cleaning Up

Containment Procedures Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained

with oil/solvent absorbent pads, socks, and/or absorbents. DO NOT use combustible material such as sawdust.

Cleanup Procedures Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally

considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for

proper disposal.

**Other Information** Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are

generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for

disposal.

**Prohibited Materials**Combustible absorbent material such as sawdust, use of equipment that may cause sparking.

## SECTION 7 - HANDLING AND STORAGE

#### Precautions for Safe Handling

**General Handling Precautions**KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not

incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate

ventilation, opening doors or windows to achieve cross-ventilation. Wash hands after use.

Hygiene Recommendations Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing

and protective equipment before entering eating or smoking areas.

#### Conditions for Safe Storage Including Any Incompatibilities

 $\textbf{Storage Requirements} \hspace{1.5cm} \textbf{Storage of individual cans should be done in an area below 50 °C (122 °F), and away from heat sources. } \textit{Ensure can is}$ 

in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 3

Aerosol.

**Incompatibilities** Segregate storage away from materials indicated in Section 10



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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Control Parameters**

Occupational Exposure Limits

		OSHA			NIC	DSH			ACGIH		AIHA
טו	PEL	STEL	CEILING	IDLH	REL	STEL	CEILING	TLV	STEL	CEILING	WEEL
1	1000 ppm	_	-	2500 ppm	250 ppm	-	-	500 ppm	750 ppm	_	_
2	200 ppm	_	_	2000 ppm	200 ppm	250 ppm	-	50 ppm	100 ppm	_	_
3	200 ppm	-	-	3000 ppm	200 ppm	300 ppm	-	200 ppm	300 ppm	-	-
4	1000 ppm	_	-	2100 ppm	1000 ppm	_	-	1000 ppm	-	_	-
5	-	_	-	-	-	-	-	1 mg/m3	-	_	_

### **Biological Exposure Indices**

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
1	Acetone in urine	End of shift	50 mg/L	Ns
2	Tetrahydrofuran in urine	End of shift	8 mg/L	_
3	MEK in urine	End of shift	2 mg/L	_

Other Control Parameters Not Available

**Appropriate Engineering Control** 

Engineering Measures Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation

rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to

control air contamination below that of the lowest OEL from the table above.

**Individual Protection Measures** 

Other Protective Equipment

**Hygiene Considerations** Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the

reach of children. Wash hands after use.

**Thermal Protection** This product does not present a thermal hazard.

**Respiratory Protection** An approved respirator with organic vapor cartridge may be permissible under certain circumstances where airborne

 $concentrations\ are\ expected\ to\ exceed\ occupational\ exposure\ limits.\ If\ respirators\ are\ needed,\ in\ the\ United\ States$ 

 $compliance\ with\ OSHA\ standard\ 29\ CFR\ 1910.\ 134\ is\ necessary.$ 

**Skin Protection** For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or

repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

**Eye/Face Protection** Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where

eye contact with this material could occur, chemical splash proof goggles are recommended.

Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

# SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

#### **Physical Properties**

Boiling Point	> 56.1 °C (133.0 °F)	Melting / Freezing Point	>-95.3 °C (-139.6 °F)
Flash Point, Liquid	>-17.0 °C (1.4 °F)	Flash Point, Propellant	-104.4 °C (-156.0 °F)
Explosive Limits	1.80% - 13.00%	Autoignition Temperature, Liquid	404.0°C (759.2°F)
Flammability	Extremely Flammable Aerosol	Relative Density (H2O = 1)	0.768 g/cc
Molecular Weight	Not Available	Weight	6.406 lbs/gal
Vapor Pressure	108.00 psig	рН	Not Available
Vapor Density	2.410 g/cc Maximum	Evaporation Rate	Not Available
Form	Pressurized Product	Partition Coefficient	Not Available
Viscosity	Not Available	Refractive Index	Not Available
Odor Threshold	Not Available	Heat of Combustion (△ Hc)	Not Available
Odor	Mild odor	Water Solubility	Not Available



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Appearance / Color Purple coating Decomposition Temperature Not Available

**Air Quality Properties** 

 Percent Volatile
 92 Wt (96% Vol) Max
 VOC Regulatory
 5.483 lbs/gal (656.967 g/L)

 Percent VOC
 58% Wt (63% Vol) Max
 VOC Actual
 3.715 lbs/gal (445.165 g/L)

Percent HAP 0% Wt (0% Vol) Max HAP Content None

Solids/Non Volatile Content 9% Wt (5% Vol) Max Maximum Incremental Reactivity 1.633 g O3/g

Global Warming Potential 0.728

## SECTION 10 - STABILITY AND REACTIVITY

**Reactivity**No specific test data related to reactivity is available for this product or its ingredients.

<u>Chemical Stability</u> This product is stable.

<u>Hazardous Reactions</u> Under normal conditions of storage and use, hazardous reactions are not expected to occur.

<u>Conditions to Avoid</u>

Keep away from heat, sparks, flame, and red hot metal.

<u>Material Incompatibility</u> Acids, Activated Carbon, Amines, Ammonia, Bromine, Caustic Alkalies, Halogens, Hexachloromelamine, Hydrogen

Peroxide, Isocyanates, Isoprene, Potassium Tert-Butoxide, Pyridines, Strong Acids, Strong Oxidizing Agents, Strong

Reducing Agents, Sulfur Dichloride, Trichloromelamine

<u>Decomposition Productions</u>
Oxides of Carbon, Acetic Acid, Aldehydes, Chlorinated Alkenes, Chlorine Gas, Formaldehyde fumes, Hydrogen Chloride

fumes, Hydrogen Peroxide, Methanol may be formed depending on fire conditions.

## SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates (mixture)

Oral LD $_{50}$ 2828 mg/kgDermal LD $_{50}$ 4834 mg/kgInhalation LC $_{50}$ 67 mg/L 4-hour

#### Acute Toxicity on Ingredients

	ORAL LD50		DERMAL LD50		INHALATION LC50					
ID	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES			
1	5800 mg/kg	rat	20000 mg/kg	rabbit	76 mg/m3	4h	rat			
2	1650 mg/kg	rat	>2000 mg/kg	rat	53.9 mg/L	4h	rat			
3	2740 mg/kg	rat	>8050 mg/kg	rat	11300 ppm	4h	rat			
4	_	-	_	-	658 mg/L	4h	rat			

### **Health Hazard Classification**

**Skin Corrosion / Irritation** Classification criteria not met

Eye Damage / Irritation Category 2

 Respiratory Irritation
 Classification criteria not met

 Respiratory / Skin Sensitization
 Classification criteria not met

 Germ Cell Mutagenicity
 Classification criteria not met

 Reproductive Toxicity
 Classification criteria not met

**STOT - Single Exposure** Category 3

STOT - Repeated ExposureClassification criteria not metAspiration HazardClassification criteria not met

Carcinogen Data ID Calif Prop-65 OSHA NIOSH ACGIH NTP

2 - - - A3 -

#### Information on the Likely Routes of Exposure

**Routes of Exposure** Skin contact, skin absorption, eye contact, inhalation



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#### Information on Physical, Chemical and Toxicological Effects

Symptoms of Exposure Asphyxia, Central Nervous System Depression, Confusion, Dermatitis, Dizziness, Excitation, Skin Irritation, Throat

Irritation, Upper Respiratory System Irritation, Vomiting

#### <u>Delayed and Immediate Effects and also Chronic Effects from Short and Long-Term Exposure</u>

Delayed EffectsNo known delayed effects.Immediate EffectsNo known immediate effects.

Chronic Effects Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and

nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by

concentrating and inhaling this product may be harmful or fatal.

**Medical Conditions Aggravated** May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

**Target Organs** Central Nervous System, Eyes, Respiratory System, Skin

## SECTION 12 - ECOLOGICAL INFORMATION

#### Acute Aquatic Toxicity

ID		FISH			INVERTEBRATES				MICROORGANISMS			
ID	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD
1	LC50	5549 mg/L	96h	EC50	6100 mg/L	48h	IC5	530 mg/L	8d	EC5	1700 mg/L	16h
2	LC50	2160 mg/L	96h	EC50	>10000 mg/L	24h	EC10	>1000 mg/L	24h	EC10	>1000 mg/L	30m
3	LC50	5600 mg/L	96h	EC50	5091 mg/L	48h	IC5	>4300 mg/L	7d	EC5	1150 mg/L	16h

#### **Ecological Data**

10		PERSISTENCE AND	DEGRADABILITY		BIOACCUMULAT	IVE POTENTIAL	MOBILITY
ID	PERSISTENCE	BOD	COD	ThOD	Pow / Kow	BCF	Кос
1	90.9% / 28 days	1.85 mg/g / 5d	1.92 mg/L	2.21 mg/L	-0.24 log Pow	0.69 BCF	1.26 log Koc
2	-	-	1572 mg/g	-	0.46 log Pow	-	-
3	-	2030 mg/g	2310 mg/g	2440 mg/g	0.29 log Pow	1.34 log BCF	0.72 log Koc
4	-	-	_	-	2.36 log Pow	1.47 log BCF	2.36 log Koc

Other Adverse Effects No additional information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

<u>Waste Disposal</u> Characteristics and waste stream classification can change with product use and location. It is the responsibility of the

user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national,

federal, state, and/or local regulations.

Waste Disposal of Packaging An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40

CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.

<u>Landfill Precautions</u> Not available

<u>Incineration Precautions</u>

\*\* DO NOT INCINERATE \*\* CONTENTS UNDER PRESSURE \*\*

## SECTION 14 - TRANSPORTATION INFORMATION

Transportation Information	Ground Transportation (DOT)	<u>Air Transportation</u> (IATA)	Ocean Transportation (IMDG)
UN Number	UN1950	UN1950	UN1950
Proper Shipping Name	Aerosols, Limited Quantity	Aerosols, Flammable, Limited Quantity	Aerosols, Limited Quantity
Hazard Class(es)	2.1	2.1	2.1
Packaging Group	_	_	_
Marine Pollutant	No	No	No



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Hazard Label(s)







# SECTION 15 - REGULATORY INFORMATION

#### **Federal Regulations**

	TSCA	SARA 302						SARA 311/312	CLEAN A	CLEAN			
ID	LISTED	EHS TPQ	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	ACUTE	CHRONIC	PRESSURE	HAP	SOCMI	WATER ACT
1	Yes	_	U002	5000	-	Yes	_	Yes	_	_	_	_	_
2	Yes	-	U213	1000	-	Yes	-	Yes	-	-	-	-	-
3	Yes	-	D035,U159	5000	-	Yes	_	Yes	_	-	-	_	-
4	Yes	_	_	-	_	Yes	_	_	_	_	_	-	_
5	Yes	_	_	-	-	-	_	_	-	_	_	_	_

#### **State Regulations**

	CA	DE	MA		ME		MN		NJ		NY		PA	WA	WI	WV
ID	P-65	RQ	RTK CODES	TYPE	RQ	RTK	AIR	WATER	RTK	AIR	LAND	ACUTE	LISTED	PEL TWA	TABLE	TAP
1	-	5000	2,4,5,6 F8 F9	_	20000	AON	_	_	-	5000	1	_	Yes-E	750 ppm	_	-
2	-	1000	2,4,5,6 F8	-	2000	AO	-	-	-	1000	100	_	Yes-E	200 ppm	Α	_
3	-	5000	2,4,5,6 F8 F9	_	2000	ANO	Yes	_	Yes	5000	1	_	Yes-E	-	-	-
4	-	F1000**	2,4,5,6	-	-	AP	-	-	Yes	_	-	_	Yes	1000 ppm	-	_
5	_	_	_	_	_	-	_	_	Yes	_	_	_	_	_	_	_

# SECTION 16 - OTHER INFORMATION

SDS Revision History Revision 1, 05/14/2014, Original in GHS Version 4 format. (Replaces F7136CT)

Revision 2, 11/20/2014, Amended to GHS Version 3 format per OSHA (HCS 2012) 29 CFR

1910.1200.

<u>SDS Compliance</u> This SDS complies with the below listed regulations only. For SDS that comply with other countries, please

contact our Regulatory Department at info@xantusproducts.com

OSHA Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200

Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Revision 3

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