


SAFETY DATA SHEET	
PX 17 Aerosol	1 of 8

Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation")

Section 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation

Product name: PX17 Aerosol
Trade Name: PX17 Aerosol
Catalog number: N/A
Product type: Aerosol

Common/important uses of the substance/preparation: Cleaner, lubricant.

Company/undertaking identification: Mul-T-Lock Technologies Ltd.
Mul-T-Lock Park
P.O.B 637
Yavne 81104, Israel

E-mail address of person responsible for this SDS: tech.support@mul-t-lock.com

Emergency telephone number (including hours of operation): +972 8 9424318
(09:00–16:00 GMT +02:00)

Section 2. HAZARDS IDENTIFICATION

This substance/preparation is classified according to Directive 67/548/EEC or 1999/45/EC

Classification:	Xn	T **	F+	-
	R65, R20/22	R45 *, R46 *	R12	R66, R53


Physical/chemical hazards:

Extremely flammable.
Harmful by inhalation and if swallowed.
May cause cancer.
May cause heritable genetic damage.
Repeated exposure may cause skin dryness or cracking.
Harmful: may cause lung damage if swallowed
May cause long-term adverse effects in the aquatic environment.

See section 11 for more detailed information on health effects and symptoms.

*The classification as a carcinogen or mutagen need not apply if it can be shown that the substance Liquefied petroleum gas contains less than 0.1% w/w 1,3-butadiene and the substance PX17 contains less than 0.1% w/w benzene.

**The classification as "Toxic" need not apply if it can be shown the substance PX17 contains less than 0.1% w/w benzene and the substance Liquefied petroleum gas contains less than 0.1% w/w 1,3-butadiene.

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Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation:

Ingredient name	CAS number	EC number	%	Classification
Liquefied petroleum gas	68476-85-7	270-704-2	36.2	F+; R12 T; R45, R46
PX17	-	-	63.7	Xn; R65 T; R45*, R46* R66 R53 Xn; R20/22

See section 16 for the full text of the R-phrases declared above

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

Section 4. FIRST AID MEASURES

Eyes contact: In case of contact with eyes, rinse immediately with plenty of water. Get medical attention.


Skin contact: Avoid prolonged or repeated contact with skin. After handling, always wash hands thoroughly with soap and water. Get medical attention if irritation develops.

Inhalation: Remove from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

Ingestion: If large quantities of this material are swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Notes to physician: No specific antidote, medical staff contacts Poisons Information Center. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

See section 11 for more detailed information on health effects and symptoms.

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Section 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable: Use appropriate extinguishing media for surrounding fire.

Not suitable: N/A

Special exposure hazards: N/A

Hazardous thermal decomposition products: Under fire emits sulfur oxides, smoke, aldehydes, barium oxides and irritating and toxic fumes.

Special protective equipment for fire fighters: Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

Remark: Move containers from fire area if possible to do so without risk.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective clothing. Avoid contact with skin eyes and inhalation of vapors. Ventilate area of spill.

Environmental precautions: Do not let this chemical enter the environment. Keep away from drains, surface and ground water.

Methods for cleaning up

Small spill: Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

Large spill: As for small spill

Personal Protection in Case of Large Spill: Safety glasses. Full suit. Suitable respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.


Section 7: HANDLING AND STORAGE

Handling: Do not breathe vapors. Avoid contact with skin and eyes. Wash thoroughly after handling. Do not permit eating/drinking/smoking near the material.

Storage: Store in cool, dry and well ventilated place. Keep containers tightly closed. Store and use away from heat, sparks, open flame or any other ignition source. Avoid contact with oxidizing agents and strong acids. Protect against electrostatic charges.

Packaging materials Recommended: Use original container.

Specific use(s): N/A

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Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposures limit values:

Ingredient name	Occupational exposure limits
Liquefied petroleum gas	ACGIH-TLV 1000 ppm (TWA) OSHA-PEL 1000 ppm (TWA) NIOSH-REL 1000 ppm (TWA) NIOSH-REL 350 mg/m ³ (TWA), 1800 mg/m ³ (CEIL), 15 min

Exposure controls

Occupational exposure controls: Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Respiratory protection: Suitable respirator. Be sure to use an approved/certified or equivalent. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective disposable gloves to prevent skin exposure.

Eye protection: Wear protective safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Hygiene measures: Keep away from foodstuffs and beverages. Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream. During use, provide suitable ventilation.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

General information:

Appearance: Aerosol

Odor: N/A

Odor threshold: N/A

pH: N/A

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

Flash point: -105°C (Liquefied petroleum gas)

Evaporation rate: N/A

Flammability: N/A

Upper/lower flammability or explosive limits: Lower:1.9%, Upper:9.5% (Liquefied petroleum gas)

Vapor pressure: N/A

Vapor density: N/A


Relative Density: N/A

Solubility(ies): N/A

Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

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Viscosity: N/A
Explosive properties: N/A
Oxidizing properties: N/A

Other information: N/A

Section 10: STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Conditions to avoid: Keep away from heat, sparks and open flame.

Materials to avoid: Oxidizing agents and strong acids.

Hazardous Decomposition products: Under fire emits sulfur oxides, smoke, aldehydes, barium oxides and irritating and toxic fumes.

Hazard polymerization: N/A

Section 11: TOXICOLOGICAL INFORMATION

Potential acute health effects

Acute toxicity: N/A

Irritation and corrosivity

Ingestion: Harmful if swallowed. May cause lung damage if swallowed. In closed spaces may cause asphyxia.

Skin contact: Irritating to skin.

Inhalation: Harmful by inhalation.

Eyes contact: May cause irritation to eyes.

Sensitization: N/A

CMR Effects:

Carcinogenicity:

May cause cancer.

May cause heritable genetic damage.

Mutagenicity: N/A


Reproductive toxicity: N/A

Other effects:

Over-exposure signs/symptoms:

Skin: Repeated exposure may cause skin dryness or cracking.

Target organs: N/A

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Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Mobility: N/A

Persistence and Degradability: N/A

Bioaccumulative potential: N/A

Result of PBT assessment (if CSR is required): N/A

Other adverse effects:

Substances which have an unfavorable influence on the oxygen balance and can be measured using parameters such as BOD, COD, etc.: N/A

Substances, which contribute to eutrophication: N/A

Remarks: N/A




Section 13: DISPOSAL CONSIDERATIONS

Methods of disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Hazardous waste: N/A

Section 14: TRANSPORT INFORMATION


International transport regulations

Regulatory Information	UN number	Proper shipping name	Classes	Packing group	Label	Additional information	Marine pollutant
ADR/RID Class	1950	AEROSOLS	2, sub risk 2.1	-		EAC: (1)	-
IMDG class	1950	AEROSOLS	2, sub risk 2.1	-		EmS: F-D, S-U	-
IATA class	1950	AEROSOLS, FLAMMABLE	2.1	-		-	-

(1) Not applicable to the carriage of dangerous goods under RID or ADR

National Fire Protection Association Hazard Ratings- NFPA (R):

- 2** Health Hazard Rating
- 4** Flammability Rating
- 0** Instability Rating

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Section 15: REGULATORY INFORMATION

Classification and labeling according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Labeling in accordance with EC directives:

Extremely flammable

Harmful

Toxic- The classification as "Toxic" need not apply if it can be shown the substance PX17 contains less than 0.1% w/w benzene and the substance Liquefied petroleum gas contains less than 0.1% w/w 1,3-butadiene.



Risk phrase(s):

R12: Extremely flammable.

R20/22: Harmful by inhalation and if swallowed.

R45: May cause cancer. *

R46: May cause heritable genetic damage. *

R66: Repeated exposure may cause skin dryness or cracking.

R65: Harmful: may cause lung damage if swallowed

R53: May cause long-term adverse effects in the aquatic environment.

Safety phrase(s):

S7: Keep container tightly closed.

S9: Keep container in a well-ventilated place.

S16: Keep away from sources of ignition - No smoking.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S61: Avoid release to the environment. Refer to special instructions/safety data sheet.

S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

S53: Avoid exposure - obtain special instructions before use

National Paint & Coating Hazardous Materials Identification System – HMIS (R):

2 Health Hazard Rating - Moderate

4 Flammability Rating - Severe

0 Instability Rating - Minimal

Section 16: OTHER INFORMATION

Full text of R-phrases referred to in sections 2 and 3:

R12: Extremely flammable.

R45: May cause cancer.

R46: May cause heritable genetic damage.


R66: Repeated exposure may cause skin dryness or cracking.

R65: Harmful: may cause lung damage if swallowed

R53: May cause long-term adverse effects in the aquatic environment.

R20/22: Harmful by inhalation and if swallowed.

Training advice: Before using/handling the product one must read carefully present MSDS.

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Recommended restriction: N/A

Key Legend Information:

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

ND- Not Determined

N/A- Not available

R-phrases- Risk phrases

S-phrases- Safety phrases

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According to Regulation (EC) No. 1907/2006 (REACH), Annex II and Commission Directive 2001/59/EC.

To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.