



INOX mx11 aerosol

Material Safety Data Sheet

Prepared to U.S.OSHA Directives.

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	INOX mx11 Chain and Brake Clean.
Manufacturers Code	00603 - 500 g Aerosol
Recommended Use	Fast acting aerosol degreaser for removing brake fluid, oil, grease and other contaminants from chains and brake assemblies.
Supplier Name Address	Candan Industries USA LLC 8-1 701 N Moody Road Palatka, FL 32177
Emergency Tel	Donald Tingley cell 386-227-3813
Phone Fax	386-326-1400 386-326-1499

SECTION 2. HAZARDS IDENTIFICATION

Hazard Classification	Classified as hazardous according to the criteria of OSHA Directives. This material has been classified as Toxic (T) and Dangerous for the environment (N). Classified as a Dangerous Good
Risk Phrases	R12 Extremely flammable R40 Limited evidence of a carcinogenic effect. R51/53 Toxic to aquatic organisms, may cause long-term harmful effects in the aquatic environment.
Safety Phrases	S2 Keep out of reach of children S9 Keep container in a well ventilated place S16 Keep away from sources of ignition. S23 Do not breath gas/fumes/vapour/spray. S36/37 Wear suitable protective clothing and gloves. S45 In case of accident, or if you feel unwell, seek medical attention immediately. S61 Avoid release to the environment.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion %
	Tetrachloroethylene	127-18-4	< 30 %
	Ingredients determined not to be hazardous		to 100 %
	Alkanes C3-4	68475-59-2	10 – 30 %

**SECTION 4. FIRST AID MEASURES**

Swallowed	If swallowed do not induce vomiting. If vomiting occurs prevent fluid from being aspirated into lungs. Seek medical attention immediately.
Eye	Immediately flush eyes for at least 20 minutes. In case of irritation, seek medical advice.
Skin	For minor contact avoid spreading the material on unaffected skin. Wash area with soap and water. Remove contaminated clothing and footwear immediately and launder before reuse.
Inhaled	Remove the patient to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
First Aid Facilities	Eye wash and safety shower.
Aggravated medical conditions caused by exposure.	None known.
Chronic Health Effects	Limited evidence of a carcinogenic effect.

SECTION 5. FIRE FIGHTING MEASURES

Extinguisher	Foam, water fog, Carbon dioxide and dry chemical powder.
Hazards from combustion products	Liquid component decomposes in a fire to hydrogen chloride and phosgene. Smoke produced in the event of a fire may be toxic by inhalation.
Special protective precautions and equipment for fire fighters	Vapours from this product are heavier than air and may accumulate in sumps, pits and low lying spaces, forming potentially explosive mixtures. Self-Contained Breathing Apparatus (SCBA) and full protective clothing should be worn.
Hazchem code	2RE

SECTION 6. ACCIDENTAL RELEASE MEASURES

Emergency procedures	Eliminate all sources of ignition and ventilate area.
Methods and materials for containment and clean up.	Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. If safe to do so, damaged cans should be placed into a container in a well ventilated area (outside) until the gas has discharged. Clean up spills with inert material and dispose of in accordance with current legislation.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Use in a well ventilated area. Do not store or use in confined spaces. Keep exposure to a minimum and minimise quantities kept in work areas.

Conditions for safe storage including any incompatibilities

Classified as a Flammable gas for storage and handling purposes. Store in a cool, dry, well ventilated area, out of direct sunlight. Avoid sparks, flames and other ignition sources.
Store away from incompatible materials such as strong oxidisers, chemically active metals such as lithium, beryllium and barium, sodium hydroxide and potash.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards for mixture

No value assigned for this specific material by Safe Work Australia

Component	Breathing Zone				Mixture conc. (%)
	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	
Tetrachloroethylene	50	340	150	1020	> 60 %

Biological Limit Values

No biological limit allocated

Engineering Controls

The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, or otherwise to maintain ambient concentration below the recommended threshold exposure limits.

Personal Protective Equipment

Eyes. Prevent eye contact by wearing protective glasses or goggles when using this product.

Hands The use of gloves (neoprene or nitrile) is recommended to prevent skin contact when using this product.

Clothing Clothing should be suitable to avoid product contacting skin on a prolonged or repeated basis.

Respirator Not required if the product is being used in a well ventilated area. Vapours in a confined space may cause dizziness.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless liquid
Odour	Mild chloroform-like odour.
pH	Not applicable
Vapour pressure @ 25°C, mm Hg	14 mmHg
Vapour density	No data
Boiling Point	121°C (Tetrachloroethylene)
Flashpoint	N/A
Solubility	0.02% in water
Density	1.62 (Tetrachloroethylene)

**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability	Stable under normal conditions of storage and handling.
Conditions to avoid	None allocated
Incompatible materials	Strong oxidizers, chemically active metals such as lithium, beryllium and barium, sodium hydroxide and potash.
Hazardous decomposition products	Decomposes in a fire to hydrogen chloride and phosgene.
Hazardous reactions	No hazardous polymerization will occur

SECTION 11. TOXICOLOGICAL INFORMATION

Limited evidence of a carcinogenic effect.

Health effects:

Swallowed:	Toxic by ingestion.
Eye:	Irritating to eyes causing inflammation.
Skin:	Prolonged or frequent contact may cause skin irritation or cracking.
Inhaled:	May cause dizziness or suffocation.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Dangerous to the environment (N).
Toxic to aquatic organisms, may cause long-term harmful effects in the aquatic environment.

Biodegradability:

Tetrachloroethylene is slow to biodegrade.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Dispose of waste according to federal, EPA and state regulations
Special precautions for landfill or incineration	Do Not incinerate or puncture aerosol cans. Bury residues and emptied cans at an approved site.

SECTION 14. TRANSPORT INFORMATION

Mode	Shipping Name	Hazard Cass	Number
D.O.T Ground	Consumer Commodity	ORM-D	UN1950
IMDG	Aerosol Dangerous goods in Limited Quantities	2	UN1950

**SECTION 15. REGULATORY INFORMATION**

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory

Section 313 Toxic Chemicals: this product contains the following chemicals subject to SARA Title III
Section 313 Reporting requirements: None
Section 302 Extremely Hazardous Substances (TPQ): None

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain chemicals regulated under California Proposition 65

VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

Poison Schedule S6

SECTION 16. OTHER INFORMATION

Date of Preparation: November 2011

Contact Person

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NFPA Ratings: (National Fire Protection Association)

Health – 2
Flammability – 2
Reactivity - 0

Emergency Contact Numbers.

Police / Fire Brigade 911 (24 hour service)

Literature references.

The National Institute for Occupational Safety and Health

NIOSH Pocket guide to chemical hazards. <http://www.cdc.gov/niosh/npg/npgdcas.html>

United States National library of Medicine, National Institutes of Health:
<http://www.nlm.nih.gov/nlmhome.html>

TOXNET – Databases on toxicology, hazardous chemicals. environmental health and toxic releases.
<http://toxnet.nlm.nih.gov/>



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Abbreviations:

OSHA	Occupational Safety & Health Administration
TWA	Time weighted average
STEL	Short term exposure limit
CAS Number	Chemical Abstract Service registry number
TLV	Threshold limit value

Safety data sheets are updated frequently. Please ensure that you have a current copy.

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END OF MSDS