

CHESTERTON®

MATERIAL SAFETY DATA SHEET

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Section I

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MSDS No. 182A-2

Product Name 438 Teflon® Coating (Aerosol)

*DuPont's registered trademark.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

4 = Severe Hazard
3 = Serious Hazard
2 = Moderate Hazard
1 = Slight Hazard
0 = Minimal Hazard

HEALTH	2
FLAMMABILITY	3
REACTIVITY	1
Personal Protection	*

* = See Section VIII - Special Protection Information

General Use and Precautionary Information

Slippery, dry, clean coating of Teflon. Protects and lubricates smooth nonporous surfaces. Synthetic Base Lubricant. The solvents used as diluents present an inhalation hazard to the users of this product. In addition, prolonged or excessive skin contact could defat the skin and cause dermatitis. Teflon, when heated in excess of 250°C (480°F), gives off vapors which may cause temporary flu-like symptoms if inhaled. This thermal decomposition leads to the formation of oxidized products containing carbon, fluorine and oxygen. The ACGIH states that no TLV is recommended pending determination of the toxicity of the products, but air concentration should be minimal. Likewise, when using the product, avoid smoking for the same reason. If ingested in large quantities, the product could be harmful.

Section II - HAZARDOUS INGREDIENTS

Ingredients/Synonyms	CAS No.	% Wt.	OSHA-PEL		ACGIH-TLV		Vapor Pressure
			ppm	mg/m ³	ppm	mg/m ³	
Toluene	108-88-3	1-5	200	-	100	375	54 mm Hg
Methyl Ethyl Ketone	78-93-3	1-5	200	590	200	590	70 mm Hg
1,1,1-Trichloroethane	71-55-6	70-75	350	1900	350	1900	120 mm Hg
Propane	74-98-6	10-15	1000	1800	**		--

Simple Asphyxiant. No TLV.

Section III - PHYSICAL DATA

Initial Boiling Point 71°C (160°F)

Percent Volatile (by volume) 98

Vapor Density >1
(Air = 1)

Evaporation Rate <1
(Ether = 1)

Weight Per Gallon 8.6 lbs (1.05 kg/l)

Section IV - FIRE AND EXPLOSION DATA

Flash Point 71°C (160°F)
Closed Cup, Product Only

LEL 1.27%

DOT Shipping Name Compressed Gas, n.o.s.

DOT Hazard Class Flammable Gas

DOT UN/NA # UN1954

Extinguishing Media Carbon Dioxide, dry chemical, or foam.

Unusual Fire and Explosion Hazards

Pressurized containers when heated are a potential explosive hazard. Thermal decomposition can form Hydrogen Chloride and other toxic fumes.

Special Fire Fighting Procedures Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

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Section V — REACTIVITY DATA**Stability** Stable**Hazardous Decomposition Products** Hydrogen Chloride and other toxic fumes.**Hazardous Polymerization** May Occur Will Not Occur**Conditions to Avoid** Open flames and red hot surfaces.**Materials to Avoid** Zinc Powders and strong oxidizers like liquid Chlorine and concentrated Oxygen.**Section VI — HEALTH HAZARD DATA****Primary Route of Exposure Under Normal Use** Inhalation, skin and eye contact. Personnel with acute and chronic liver disease and rhythm disorders of the heart are generally aggravated by exposure.**Acute Effects** Minimal skin and eye irritant. Inhalation of vapor concentrations in excess of 1000 ppm may result in dizziness, headache, and in extreme cases (10,000 ppm) loss of consciousness. Propane causes dizziness at 100,000 ppm.**Chronic Effects** Prolonged or repeated skin contact may cause skin irritation and may defat the skin.**Emergency and First Aid Procedures****Inhalation** Remove to fresh air. If not breathing, administer artificial respiration. Do not administer adrenalin (epinephrine). Contact physician.**Eye/Skin Contact** Wash skin with soap and water. Flush eyes for at least 15 minutes with large amounts of water. Consult physician if irritation persists.**Ingestion** Do not induce vomiting. If conscious, dilute with large quantities of water. Contact physician immediately.**Section VII — SPILL OR RELEASE PROCEDURES****Steps to be Taken in Case Material is Spilled or Released**

Evacuate area. Provide adequate ventilation. Contain spill to a small area. Pick up with absorbent material (e.g., sawdust, sand, clay, etc.) and transfer to a suitable container for disposal. Keep out of sewer, stream, and waterways.

Waste Disposal Method Incinerate or bury absorbed material. Check local, state, and federal regulations.**Section VIII — SPECIAL PROTECTION INFORMATION****Respiratory Protection** Not normally needed. If PEL/TLV is exceeded, use approved organic vapor respirator.**Protective Gloves** Not normally needed.**Ventilation** No special requirements. If PEL/TLV is exceeded, provide adequate ventilation.**Eye Protection** Safety goggles**Other** None**Section IX — SPECIAL PRECAUTIONS****Precautions in Handling and Storing** Do not store in direct sunlight or above 49°C (120°F). Avoid contamination of tobacco products.**Other Precautions** Vapors are heavier than air and will collect in low areas. Do not smoke while using the product.

The information contained herein is based on data provided from suppliers of the materials used and not on the mixture itself, and is believed to be correct. However, no warranty is expressed or implied regarding the accuracy of the data. Since the information contained herein may be applied under conditions beyond our control, the persons receiving it shall make their own determination of the suitability of the product for their particular purposes.