## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LiftOff

PART NUMBER: CF-0676

GENERAL USE: Acrylic Wax Stripper

PRODUCT DESCRIPTION: Clear liquid, characteristic solvent odor.



MANUFACTURER'S NAME		DATE PREPARED: July 30, 2009	Dogo 1 of 4	
Praetorian Protective Finishes, LLC.		SUPERSEDES: New	Page 1 of 4	
ADDRESS (NUMBER, STREET, P.O. BOX)		TELEPHONE NUMBER FOR INFORMATION		
206 North River Ridge Circle		(952) 895-6962		
(CITY, STATE AND ZIP CODE)	COUNTRY	EMERGENCY TELEPHONE NUMBER		
Burnsville, MN 55337	USA	Chemtrec (800) 424-9300 Outside USA (703) 5.	27-3887	

## SECTION 2 - HAZARDS IDENTIFICATION

#### **EMERGENCY OVERVIEW**

Mild liquid, may be harmful if swallowed or inhaled, contact with eyes may cause serious irritation, prolonged contact with skin may cause irritation. Hazard Symbols for this product - Xn Risk Phrases - R20/22

## POTENTIAL HEALTH EFFECTS

INHALATION: High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise.

SKIN: Brief contact may cause slight irritation; prolonged contact may cause moderate reddening, swelling and possible necrosis.

EYES: Contact causes severe irritation and pain associated with redness and swelling of the conjunctiva.

INGESTION: May be harmful if swallowed; may cause headache, dizziness, diarrhea and general weakness; large doses may result in red blood cell hemolysis.

CARCINOGENICITY NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

SECTION 3 - COMPOS	SITION / I	INFORMATION	ON INGREDIE	NTS	
HAZARDOUS COMPONENTS	%	CAS#	EINECS#	Hazard	RISK PHRASES
	(by weight)		LINECO#	Symbol	Full Text Section 16
2-Methyl-2,4-pentanediol	10 - 30	107-41-5	203-489-0	NC	R-36/38
Benzyl Alcohol	10 - 30	100-51-6	202-859-9	Xn	R-20/22
Dipropylene glycol methyl ether (a)	1 - 5	34590-94-8	252-104-2	NC	Not classified
(2(2-Methoxymethylethoxy)Methylethoxy) Propanol	5 - 10	25498-49-1	247-045-4	NC	Not classified
Proprietary alkanolamine	3 - 7	Not specified	Not specified	С	R-10, 34, 20/21/22

<sup>(</sup>a) Indicates an employee's skin exposure shall be prevented or reduced to the extent necessary in the circumstances through the use of gloves, coveralls, goggles, or other appropriate equipment.

PRODUCT NAME: LiftOff
July 30, 2009
Page 2 of 4

## SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: Give two glasses of water for dilution; Do not induce vomiting; never give anything by mouth to an unconscious person; seek medical attention.

## SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS: Product is not considered flammable or combustible, however, product will support combustion if involved in a fire. Products of combustion include compounds of carbon, hydrogen, nitrogen and oxygen, including carbon monoxide.

#### **EXTINGUISHING MEDIA**

Carbon dioxide, water, water fog, dry chemical, chemical foam.

## FIRE FIGHTING PROCEDURES

Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.

# UNUSUAL FIRE AND EXPLOSION HAZARDS

None

## HAZARDOUS COMBUSTION PRODUCTS

Smoke, fumes or vapors, oxides of carbon, oxides of nitrogen.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes. Wash small spills to sanitary sewer. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal.

## SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH			ACGIH				
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
2-Methyl-2,4-pentanediol	<del></del>					121 (C)		
Benzyl Alcohol	Not established			Not established				
Dipropylene glycol methyl ether (a)	600		900	606			909	
(2(2-Methoxymethylethoxy)Methylethoxy) Propanol	Not established			Not established				
Proprietary alkanolamine	N	ot establish	ed		N	ot establish	ed	

A "C" in the NIOSH or ACGIH column indicates ceiling limits, the concentration that should not be exceeded during any part of the working exposure.

## PERSONAL PROTECTION:

RESPIRATORY PROTECTION: None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Neoprene, butyl or nitrile rubber gloves with cuffs.

EYE PROTECTION: Chemical splash goggles. Refer to 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to prevent skin contact, safety eyewash station nearby.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

APPEARANCE AND ODOR

212F (100°C)

PRODUCT NAME: LiftOff Page 3 of 4 July 30, 2009

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE

Clear liquid, characteristic odor 17 mm Hg @ 20° C SPECIFIC GRAVITY (WATER = 1)

10.5 - 11.0

BOILING POINT / BOILING RANGE SOLUBILITY IN WATER

Complete FLASH POINT VISCOSITY Non-flammable Not specified

FLAMMABLE LIMITS VAPOR DENSITY (AIR = 1)

LEL: Not applicable UEL: Not applicable **EVAPORATION RATE (WATER = 1) AUTOIGNITION TEMPERATURE** 

Not determined

## SECTION 10 - STABILITY AND REACTIVITY

UNSTABLE: CONDITIONS TO AVOID: Extreme temperatures. STABILITY

STABLE: X

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

HAZARDOUS POLYMERIZATION MAY OCCUR: CONDITIONS TO AVOID: None

WILL NOT OCCUR: X

## SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS#	LD50 of Ingredient	LC50 of Ingredient
	EINECS#	(Specify Species and Route)	(Specify Species)
2-Methyl-2,4-pentanediol	107-41-5	3700 mg / kg	> 310 mg / m3
	203-489-0	Oral - rat	Inhalation - mouse
Benzyl Alcohol	100-51-6	1230 mg / kg	2000 ppm 4H (LCLo)
	202-859-9	Oral - rat	Inhalation - rat
Dipropylene glycol methyl ether (a)	34590-94-8	5135 mg / kg	Not established
	252-104-2	Oral - rat	
(2(2-Methoxymethylethoxy)Methylethoxy) Propanol	25498-49-1	3200 mg / kg	Not established
	247-045-4	Oral - rat	
Proprietary alkanolamine	Not specified	Not established	Not established
	Not specified		

## SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

## SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Refer to 40 CFR 260 - 299 for complete waste disposal regulations for alkaline materials. Consult your local, state, or federal agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

## SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Non - Hazardous for Transport

DOT HAZARD CLASS / Packaging Group: Not regulated IATA HAZARD CLASS / Packaging Group: Not regulated

IMDG HAZARD CLASS: Not regulated REFERENCE: Not Applicable UN / NA IDENTIFICATION NUMBER: None RID / ADR Dangerous Goods Code: Not regulated

LABEL: None Required UN TDG Class / Packaging Group: Not regulated

Hazard Identification Number (HIN): None HAZARD SYMBOLS: None

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

PRODUCT NAME: LiftOff Page 4 of 4 July 30, 2009

## SECTION 15 - REGULATORY INFORMATION

## TSCA (USA - Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

#### SARA TITLE III (USA - Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories

Immediate health

313 Reportable Ingredients:

None

#### CERCLA (USA - Comprehensive Response Compensation and Liability Act)

#### California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

#### **CPR (Canadian Controlled Products Regulations)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: D2B

#### **IDL** (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

#### DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

#### EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances. VbK Index: Not applicable

## WGK Water Quality Index: 1

#### **RISK PHRASES:**

R20/22 Harmful by inhalation and if swallowed.

#### SYMBOL(S) REQUIRED FOR LABEL

Harmful



## **SAFETY PHRASES:**

S2 Keep out of the reach of children. S24/25 Avoid contact with skin and eves.

S28 After contact with skin, wash immediately with plenty of soap and water.

# SECTION 16 - OTHER INFORMATION

Notes & full R-Phrase text

R10 Flammable.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R36/38 Irritating to eyes and skin.

HMIS HAZARD RATINGS

HEALTH

\* = Chronic Health Hazard

2 = MODERATE

FI AMMABILITY

0 = INSIGNIFICANT 1

3 = HIGH

PHYSICAL HAZARD

1 = SLIGHT

4 = EXTREME

PERSONAL PROTECTIVE EQUIPMENT

Safety Glasses, Gloves, Apron

#### **REVISION SUMMARY:**

This MSDS has been revised in the following sections:

No changes noted

#### MSDS Prepared By:

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.