



# MATERIAL SAFETY DATA SHEET

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HMIS Codes  
Health 3\*  
Flammability 2  
Reactivity 0

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## MATERIAL SAFETY DATA SHEET

### SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NUMBER**  
F.1877

**PRODUCT NAME**  
**UPS HEAVY DUTY PAINT REMOVER**

**MANUFACTURER'S NAME**  
UPS Laboratories<inc  
www>upschemicals.com

### SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

**% by Weight CAS Number Ingredient Units Vapor Pressure**

**12 74-98-6 Propane**  
ACGIH TLV 2500 PPM 760 mm  
OSHA PEL 1000 PPM

**11 106-97-8 Butane**  
ACGIH TLV 800 PPM 760 mm  
OSHA PEL 800 PPM

**1 64742-88-7 Mineral Spirits**  
ACGIH TLV 100 PPM 2 mm  
OSHA PEL 100 PPM

**62 75-09-2 Methylene Chloride**  
ACGIH TLV 50 PPM 420 mm  
OSHA PEL 25 PPM  
OSHA PEL 125 PPM STEL

**9 67-63-0 2-Propanol**  
ACGIH TLV 200 PPM 33 mm  
ACGIH TLV 400 PPM STEL  
OSHA PEL 400 PPM

**1 141-43-5 Ethanolamine**  
ACGIH TLV 3 PPM 0.5 mm  
ACGIH TLV 6 PPM STEL  
OSHA PEL 3 PPM  
OSHA PEL 6 PPM STEL

### SECTION 3 — HAZARDS IDENTIFICATION

#### ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.  
EYE or SKIN contact with the product, vapor or spray mist.

#### EFFECTS OF OVEREXPOSURE

**EYES:** Causes burns.  
**SKIN:** Causes burns.

**INHALATION:** Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.  
Prolonged overexposure to hazardous ingredients in Section 2 may cause adverse chronic effects to the following organs or systems:  
the liver



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## FLASH POINT

Propellant < 0 °F  
the urinary system  
the cardiovascular system  
the nervous system

Overexposure to Methylene Chloride can raise the level of carbon monoxide in the blood.

## SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.  
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

## MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Cardiovascular problems may be aggravated by overexposure to Methylene Chloride.

## CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

## SECTION 4 — FIRST AID MEASURES

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention **IMMEDIATELY** .

**SKIN:** Wash affected area thoroughly with soap and water.

If irritation persists or occurs later, get medical attention.

Remove contaminated clothing and launder before re-use.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

## SECTION 5 — FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

**UNUSUAL FIRE AND EXPLOSION HAZARDS** Containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately

apparent. Obtain medical attention.

### SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure

build-up and possible autoignition or explosion when exposed to extreme heat.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

## SECTION 7 — HANDLING AND STORAGE

### STORAGE CATEGORY

Not Available

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off

stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water,

and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### PRECAUTIONS TO BE TAKEN IN USE

Before initial use, consult OSHA's 'Standard for Occupational Exposure to Methylene Chloride' (29 CFR 1910.1052).

Use only with adequate ventilation.

Do not get in eyes or on skin. Avoid breathing vapor and spray mist.

Wash hands after using.

### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

An air supplied respirator must be worn, unless air monitoring demonstrates vapor/mist concentrations are below permissible limits.

Follow

respirator manufacturers directions for respirator use.



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## PROTECTIVE GLOVES

For intermittent exposure, wear VITON or nitrile gloves recommended by glove manufacturer for protection against materials in Section 2. For immersion, wear PVA gloves recommended by glove manufacturer.

## EYE PROTECTION

To prevent eye contact, wear safety spectacles with unperforated sideshields.

## OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin.

## OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**PRODUCT WEIGHT** 7.75 lb/gal 929 g/l

**SPECIFIC GRAVITY** 0.93

**BOILING POINT** <0 - 395 °F <-18 - 201 °C

**MELTING POINT** Not Available

**VOLATILE VOLUME** 98%

**EVAPORATION RATE** Faster than ether

**VAPOR DENSITY** Heavier than air

**SOLUBILITY IN WATER** N.A.

**pH** 7.0

**VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)**

Volatile Weight 33.32% Less Water and Federally Exempt Solvents

## SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable

CONDITIONS TO AVOID

None known.

## INCOMPATIBILITY

None known.

## HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride

## HAZARDOUS POLYMERIZATION

Will not occur

## SECTION 11 — TOXICOLOGICAL INFORMATION

### CHRONIC HEALTH HAZARDS

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Methylene Chloride is listed by IARC, NTP, and OSHA. Laboratory animals exposed to high levels of Methylene Chloride in lifetime studies

have developed cancer. There is no evidence to date that Methylene Chloride causes cancer in humans.

### TOXICOLOGY DATA

#### CAS No. Ingredient Name

##### 74-98-6 Propane

LC50 RAT 4HR Not Available

LD50 RAT Not Available

##### 106-97-8 Butane

LC50 RAT 4HR Not Available

LD50 RAT Not Available

##### 64742-88-7 Mineral Spirits

LC50 RAT 4HR Not Available

LD50 RAT Not Available

##### 75-09-2 Methylene Chloride

LC50 RAT 4HR Not Available

LD50 RAT 1600 mg/kg

##### 67-63-0 2-Propanol

LC50 RAT 4HR Not Available

LD50 RAT 5045 mg/kg

##### 141-43-5 Ethanolamine

LC50 RAT 4HR Not Available

LD50 RAT 2140 mg/kg

## SECTION 12 — ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

No data available.



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## SECTION 13 — DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

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## SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

### US Ground (DOT)

May be classed as LTD. QTY. OR ORM -D  
UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, (ERG#126)

### Canada (TDG)

May be classed as LTD. QTY. OR ORM -D  
UN1950, AEROSOLS, CLASS 2.1 (6.1), (ERG#126)

### IMO

May be shipped as Limited Quantity  
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, EmS F -D, S-U, ADR (D)

### IATA/ICAO

UN1950, AEROSOLS, FLAMMABLE, CONTAINING SUBSTANCES IN DIVISION 6.1,  
PG III, 2.1, 6.1, LIMITED QUANTITY

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## SECTION 15 — REGULATORY INFORMATION

### SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

### CAS No. CHEMICAL/COMPOUND % by WT % Element

75-09-2 Methylene Chloride 62

WARNING: This product contains a chemical known to the State of California to cause cancer.

### TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

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## SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the

MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reders or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of usere outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.