

# MSDS

## MATERIAL SAFETY DATA SHEET

C & W PRESSROOM PRODUCTS  
180 EAST UNION AVENUE  
EAST RUTHERFORD, NJ 07073

EMERGENCY TELEPHONE NUMBER  
201-933-4343

HAZARD RATING  
4 = EXTREME  
3 = HIGH  
2 = MODERATE  
1 = SLIGHT  
0 = INSIGNIFICANT

HMIS RATING  
HEALTH 2  
FLAMMABILITY 3  
REACTIVITY 0  
PERSONAL PROTECTION X

DATE ISSUED: AUGUST 7, 1997

### SECTION I PRODUCT INFORMATION

PRODUCT NAME : **MRK**  
CHEMICAL NAME : Acetone and Toluene  
MOLECULAR FORMULA : Mixture  
SYNONYMS :  
CHEMICAL FAMILY : Aliphatic Ketone & Aromatic Hydrocarbons

### SECTION II COMPONENT INFORMATION

	<u>CAS#</u>	<u>CONTENT %</u>	<u>TLV - TWA</u>
COMPONENTS : Acetone VOC Exempt	67-64-1	< 60%	750 ppm, STEL 1,000 ppm Toxicity ORAL RAT LD <sub>50</sub> 7,400 mg/kg.
Toluene	108-88-3	< 50%	OSHA-PEL/TWA 200 ppm, ORAL RAT LD <sub>50</sub> 7.0 g/kg, Dermal RBT LD <sub>50</sub> 14 g/kg, INH RAT LC <sub>50</sub> 5,320 ppm/4 hour.

No other chemicals in this product exceed the minimum reporting level established by SARA 313 and 40 CFR 372.

### SECTION III PHYSICAL PROPERTIES

BOILING POINT	: 136°F (58°C)	MELTING POINT	: N/A
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	: 0.830 @ 25°C	VAPOR PRESSURE	: 185 mmHg @ 68°F
SOLUBILITY IN WATER	: 50% w/w	VAPOR DENSITY (AIR = 1)	:
PERCENT VOLATILE	: 50% 3.4 # per gal	pH	: N/A
APPEARANCE & ODOR	: Clear colorless liquid with characteristic odor	EVAPORATION RATE (n-BuOAc = 1.0)	:

### SECTION IV FIRE & EXPLOSION DATA

FLASH POINT : < 30°F Flammable liquid, LEL 3%, UEL 13%  
EXTINGUISHING MEDIA : Foam carbon dioxide or dry chemical

#### SPECIAL FIRE FIGHTING PROCEDURES:

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of the normal products of combustion or oxygen deficiency.

#### UNUSUAL FIRE AND EXPLOSIVE HAZARDS :

Extremely flammable. Vapor may travel considerable distance to source of ignition and flash back

## SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE : 300 ppm 8 hour time averaged

PRIMARY ROUTES OF ENTRY :

EFFECT OF OVEREXPOSURE :

EYES : May cause moderate eye irritation and moderate corneal injury. Vapors may irritate eyes.

SKIN CONTACT : Prolonged exposure not likely to cause significant skin irritation. May cause drying or flaking of skin.

SKIN ABSORPTION : A single prolonged exposure not likely to result in the material being absorbed through skin in harmful amounts. The LD<sub>50</sub> for skin absorption in rabbits is 20,000 mg/kg.

INGESTION : Single dose oral toxicity is low. The oral LD<sub>50</sub> for rats is greater than 6,000 mg/kg.  
No hazards anticipated from ingestion incidental to industrial exposure.

EMERGENCY AND FIRST AID TREATMENT:

EYES : Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

SKIN : Wash off with flowing water or shower.

INHALATION : Remove to fresh air if not breathing, give mouth-to-mouth resuscitation.  
If breathing is difficult, give oxygen. Call a physician.

INGESTION : Induce vomiting if large amount are ingested. No specific antidote. Supportive care.  
Treatment based on judgment of the physician in response to reactions of the patient.

CHRONIC EFFECT(S) OF OVEREXPOSURE: No known information.

## SECTION VI REACTIVITY DATA

STABILITY : Stable

INCOMPATIBILITY / AVOID CONTACT WITH : Nitric and sulfuric acids

HAZARDOUS DECOMPOSITION PRODUCT : Carbon monoxide/dioxide

HAZARDOUS POLYMERIZATION : Will not occur

CONDITION TO AVOID : Sources of flame

## SECTION VII SPILL OR LEAK PROCEDURE

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

Small Spills: Allow to evaporate if it can be done safely. Otherwise soak up with absorbent material and scoop into drums

Large Spills: Dike and pump into drums using air-operated or other non-spark producing pump.

Prevent from entering drains or sewer

WASTE DISPOSAL METHOD:

Burn in incinerator. Observe all Federal, State and Local requirements for disposal.

## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) : Levels should be maintained below exposure guidelines.

Where exposure guidelines are exceeded, use an approved positive-pressure self-contained breathing apparatus.

VENTILATION : Suitable to keep area well below TLV and PEL. Lethal concentrations may exist in areas with poor ventilation.

PROTECTIVE GLOVES : Chemical resistant gloves

EYE PROTECTION : Chemical resistant goggles

OTHER PROTECTIVE EQUIPMENT : Emergency eye wash

## SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE :

Practice reasonable care to avoid eye and skin contact and to avoid breathing vapors. Use spark resistant tools.

No smoking area for handling and storage.

OTHER PRECAUTIONS : Containers hazardous when empty.

## SECTION X REQUIREMENTS FOR TRANSPORTATION

PROPER SHIPPING NAME : MRK  
HAZARDOUS CLASSIFICATION : Flammable liquid  
IDENTIFICATION NUMBER : UN 1090 & 1294  
REPORTABLE QUANTITY :  
IMCO CLASS (International Travel) :  
ADDITIONAL LABELING : Flammable liquid

## SECTION XI REGULATORY INFORMATION

### Status on Substance List FEDERAL EPA

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4

Components present in this product at a level which could require reporting under the statute are: Toluene CAS # 108-88-3  
Acetone CAS # 67-64-1

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 used for SARA 302, 304, 311 and 312.

Components present in this product at a level which could require reporting under the statute are: Toluene CAS # 108-88-3  
Acetone CAS # 67-64-1

Requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

This information must be included in all Material Safety Data Sheets that are copied and distributed for this material.

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Acetone CAS # 67-64-1

The information in this document is believed to be correct as of the date issued, however, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assumes the risk of his use thereof.

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