



UNION CARBIDE CHEMICALS AND PLASTICS COMPANY INC.

Specialty Chemicals Division  
MATERIAL SAFETY DATA SHEET



EFFECTIVE DATE 08/24/92

Union Carbide urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards or safety; (2) furnish this same information to each of its customers for the product; and (3) request its customers to notify their employees, customers, and other users of the product of this information.

I. IDENTIFICATION

PRODUCT NAME:

[REDACTED]

CHEMICAL NAME:

Mixture

CHEMICAL FAMILY:

Polyalkylene Glycol

FORMULA:

Trade Secret

MOLECULAR WEIGHT:

Mixture

SYNONYMS:

None

CAS # AND NAME:

See "SECTION III"

II. PHYSICAL DATA(Determined on Typical Material)

BOILING POINT, 760 mm Hg:

Decomposes  
> 250 C (> 482 F)

SPECIFIC GRAVITY(H2O = 1):

1.000 AT 20/20 C

FREEZING POINT:

Pour point  
--30 C (--22 F)

VAPOR PRESSURE AT 20°C:

<0.01 mmHg

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UCON is a trademark of Union Carbide.

EMERGENCY PHONE NUMBERS: 1-800-UCC-HELP (NUMBER AVAILABLE AT ALL TIMES) OR (304) 744-3487

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39 Old Ridgebury Road, Danbury, CT 06817-0001

VAPOR DENSITY (AIR = 1): > 1

EVAPORATION RATE (Butyl Acetate = 1): Nil

SOLUBILITY IN WATER by wt: <0.1

APPEARANCE: Transparent colorless to straw-colored

ODOR: Sweet pleasant

PHYSICAL STATE: Liquid

III. INGREDIENTS

<u>%</u>	<u>MATERIAL</u>	<u>CAS#</u>	<u>EXPOSURE LIMIT</u>
>95	Polypropylene Glycol Monobutyl Ether	9003-13-8	None established
< 5	Additives	Trade Secret	None established

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT(test method(s)): 395 F (201 C)  
Pensky-Martens Closed Cup ASTM D 93  
450 F (232 C)  
Cleveland Open Cup ASTM D 92

FLAMMABLE LIMITS IN AIR LOWER: Not Determined  
% by volume: UPPER: Not Determined

SPECIAL FIRE FIGHTING PROCEDURES: Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. Use self-contained breathing apparatus and protective clothing.

EXTINGUISHING MEDIA: Apply alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: See "Other Precautions" in Section IX.

V. HEALTH HAZARD DATA

EXPOSURE LIMIT(S): None established by OSHA or ACGIH.

EFFECTS OF SINGLE OVEREXPOSURE:

SWALLOWING: No evidence of harmful effects from available information.

SKIN ABSORPTION: No evidence of harmful effects from available information.

INHALATION: Short-term harmful health effects are not expected from vapor generated at ambient temperature.

SKIN CONTACT: No evidence of harmful effects from available information.

EYE CONTACT: May cause mild discomfort.

EFFECTS OF REPEATED OVEREXPOSURE:

No adverse effects anticipated from available information.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION:

None currently known.

OTHER EFFECTS OF OVEREXPOSURE:

Overexposure to vapor generated at high temperatures may result in eye and respiratory tract irritation, dizziness, nausea and the inhalation of harmful amounts of material.  
Skin contact may cause sensitization and an allergic skin reaction in a small proportion of individuals.

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING: No emergency care anticipated.

SKIN: Wash skin with soap and water.

INHALATION: Remove to fresh air.

EYES: Flush eyes thoroughly with water for several minutes.

**PRODUCT NAME: UCON Coating Fluid LB-1145-Y24**

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**NOTES TO PHYSICIAN:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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**VI. REACTIVITY DATA**

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**STABILITY:** Stable

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**CONDITIONS TO AVOID:** None

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**INCOMPATIBILITY (materials to avoid):**  
Normally unreactive; however, avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials reactive with hydroxyl compounds.

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**HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:**  
Combustion may produce the following products:  
Carbon monoxide and/or carbon dioxide.  
See Section V, "Other Effects of Overexposure."  
Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

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**HAZARDOUS POLYMERIZATION:** Will Not Occur

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**CONDITIONS TO AVOID:** None

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**VII. SPILL OR LEAK PROCEDURES**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**  
Wear suitable protective equipment.  
See Section VIII.  
Small spills can be flushed with large amounts of water; larger spills should be collected for disposal.  
See Section IX, Other Precautions.

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**WASTE DISPOSAL METHOD:**  
Incinerate in a furnace or otherwise dispose of in accordance with applicable Federal, State and local requirements.

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**VIII. SPECIAL PROTECTION INFORMATION**

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**RESPIRATORY PROTECTION (specify type):**  
None required for use at low temperatures.

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**VENTILATION:**  
General (mechanical) room ventilation is satisfactory for use at low temperatures. If used at high temperatures, special local ventilation is recommended at points where vapors can be expected to escape to the workplace air.

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**PROTECTIVE GLOVES:** Polyvinyl chloride coated

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**EYE PROTECTION:** Safety Glasses

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**OTHER PROTECTIVE EQUIPMENT:**  
Eye Bath, Safety Shower

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### IX. SPECIAL PRECAUTIONS

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

**WARNING: MAY CAUSE ALLERGIC SKIN REACTION.  
VAPOR GENERATED AT HIGH TEMPERATURES (THERMAL DEGRADATION)  
CAN BE IRRITATING.**

Avoid contact with skin.  
Avoid breathing vapor.  
Keep container closed.  
Use with adequate ventilation.  
Wash thoroughly after handling.  
**FOR INDUSTRY USE ONLY**

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**OTHER PRECAUTIONS:** **SPILLS:** This product has very low solubility in water. Avoid drainage of large spills to sewers or to natural waters.

**WARNING:** Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions.

Any use of this product in elevated-temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Further information is available in a technical bulletin entitled "Ignition Hazards of Organic Chemical Vapors."

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### X. REGULATORY INFORMATION

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**STATUS ON SUBSTANCE LISTS:**

The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations. Trade Secrets are indicated by "TS".

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**FEDERAL EPA**

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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 (RQs) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are:  
\*\*\*\* NONE \*\*\*\*

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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:  
\*\*\*\* NONE \*\*\*\*

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Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III 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 MSDSs that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

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Toxic Substances Control Act (TSCA) STATUS:

The ingredients of this product are on the TSCA inventory.

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**STATE RIGHT-TO-KNOW**

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**CALIFORNIA Proposition 65**

This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

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**MASSACHUSETTS Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.**

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

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**PENNSYLVANIA Right-to-Know, Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.**

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

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**CALIFORNIA SCAQMD RULE 443.1 VOC'S:**

\*\*\*\*NOT DETERMINED\*\*\*\*

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**OTHER REGULATORY INFORMATION:**

\*\*\*\* NONE \*\*\*\*

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**NOTE ---**

The opinions expressed herein are those of qualified experts within Union Carbide. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the conditions of the use of the product are not under the control of Union Carbide, it is the user's obligation to determine conditions of safe use of the product.

**REVISED SECTIONS:**

Section II - Physical Data  
Section V - Health Hazard Data  
Section IX - Special Precautions  
Section X - Regulatory Information

**PRODUCT: 94605**  
**F NUMBER: B0084C**