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SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

E0232C-DR

Product Name: Cellubond E0232C Drum/404LB  
 Manufacturer MSDS: E0232C-DR  
 Manufacturer Name: Henkel Corporation  
 Address: 1345 Gasket Drive, Elgin, IL 60120  
 Emergency Telephone: 860-571-5100  
 Business Phone: 847-468-9200  
 Revision Date: 7/21/06  
 Trade Names: CELLUBOND E0232C DRUM/404LB  
 Physical Form: SOLVENT  
 H.M.I.S.: These ratings should be used only as part of full implemented H.M.I.S. program.  
 MANUFACTURER CODE I.D.: E0232C-DR (Formerly a Sovereign Specialty Chemical Inc Product)  
 Product Codes: E0232C-DR

HEALTH	1
FIRE	3
REACTIVITY	0
PPE	

HMS

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

E0232C-DR

Ingredient Name	CAS#	Ingredient Percent
ACETONE	67-64-1	
OSHA PEL TWA: 750 PPM, 1800 MG/CU.M.		
OSHA STEL/Ceiling: 1000 PPM, 2400 MG/CU.M.		
ACGIH TLV TWA: 500 PPM, 1188 MG/CU.M.		
ACGIH STEL/Ceiling: 750 PPM, 1800 MG/CU.M.		
RESIN ESTER HM1743		
OSHA PEL TWA: 3 MG/CU.M.		
ACGIH TLV TWA: 3 MG/CU.M.		
CAS NO.: TSN7000M02		

847-295-0525

VP: 1 mm Hg @ 20 deg C

ISOPROPYL ALCOHOL	67-63-0	400 PPM, 980 MG/CU.M. 500 PPM, 1225 MG/CU.M. ACGIH TLV TWA: 200 PPM, 490 MG/CU.M. ACGIH STEL/Ceiling: 400 PPM, 980 MG/CU.M.	OSHA PEL TWA: OSHA STEL/Ceiling: ACGIH TLV TWA: ACGIH STEL/Ceiling:	400 PPM, 980 MG/CU.M. 500 PPM, 1225 MG/CU.M. 200 PPM, 490 MG/CU.M. 400 PPM, 980 MG/CU.M.	VP: 33 mm Hg @ 20 deg C LFL: 3.0 UFL: 13.0	NITROCELLULOSE	9004-70-0	NONE ESTABLISHED	Other Exposure Guidelines:
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LFL = LOWER FLAMMABILITY LIMIT PERCENT  
UFL = UPPER FLAMMABILITY LIMIT PERCENT  
SKIN = SKIN ABSORPTION MUST BE CONSIDERED AS A ROUTE OF EXPOSURE  
C-CEILING = ALLOW. EXPOSURE LEVEL SHOULD NOT BE EXCEEDED FOR ANY TIME PERIOD  
MFR = MANUFACTURER RECOMMENDED EXPOSURE LIMIT  
STEL = SHORT TERM EXPOSURE LIMIT  
X-SARA 313 = CHEMICAL IS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF S.A.R.A. 40 CFR PART 372

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SECTION 3 : HAZARDS IDENTIFICATION E0232C-DR

Applies to All Ingredients :

Potential Health Effects:  
 Eye Contact: EFFECTS OF SHORT TERM OVEREXPOSURE: May cause eye irritation.  
 Skin Contact: EFFECTS OF SHORT TERM OVEREXPOSURE: May cause defatting and irritation of the skin.  
 Inhalation: EFFECTS OF SHORT TERM OVEREXPOSURE: May cause nose or throat irritation. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.  
 Swallow: EFFECTS OF SHORT TERM OVEREXPOSURE: Can cause gastrointestinal irritation, nausea, and vomiting. Aspiration of material into lung may cause chemical pneumonitis which can be fatal.  
 Chronic Health Effects: EFFECTS OF REPEATED OVEREXPOSURE: Reports have associated prolonged and repeated occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.  
 SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH.: None currently known

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SECTION 4 : FIRST AID MEASURES E0232C-DR

Eye Contact: Flush with large amounts of water, lifting upper and lower lids occasionally. Continue for at least 15 minutes. Get medical attention immediately.  
 Skin Contact: Remove contaminated clothing. Wash affected area with soap and water. Obtain medical attention if irritation persists.  
 Inhalation: Remove to fresh air immediately. If breathing has stopped, give artificial respiration. Keep warm and quiet. Get medical attention immediately.  
 Ingestion: SWALLOWING: If swallowed do not induce vomiting. (Never give anything by mouth to an unconscious person). Call Poison Control Center, Hospital Emergency Room, or Physician immediately.  
 Note to Physicians: Any treatment that might be required for overexposure should be directed at the control of symptoms and the clinical conditions.

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SECTION 5 : FIRE FIGHTING MEASURES

E0232C-DR

Flash Point: 1 deg F, (-17 deg C)  
Flash Point Method: SFCC  
Flammability Class: NFPA: FLAMMABLE LIQUID - CLASS IB

Extinguishing Media: Use NFPA Class B Fire extinguishers (carbon dioxide, all purpose dry chemical or alcohol foam) designed to extinguish flammable liquid fires. Polymer foam is preferred for large fires.  
Fire Fighting Instructions: SPECIAL: Firefighters should wear self-contained breathing apparatus. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.  
Unusual Fire Hazards: During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.  
DANGEROUS: EXTREMELY FLAMMABLE. VAPORS MAY CAUSE FLASH FIRE.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

E0232C-DR

Spill Cleanup Measures: Refer to Section 8 and don respirator, eye, hand, and body protection appropriate for the size of the spill and the exposures encountered. Keep spectators away. Eliminate all ignition sources (flames, hot surfaces, and sources of electrical, static or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.  
Environmental Precautions: ENVIRONMENTAL HAZARDS: None known  
WASTE DISPOSAL: Dispose in accordance with federal, state and local regulations.

RCRA CLASSIFICATION: This product, if discarded directly, would be classified a hazardous waste based on its ignitability characteristics, i.e. has a flash point of 140 deg. F.(60 deg. C) or less. The proper RCRA classification would be D001.

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SECTION 7 : HANDLING and STORAGE

E0232C-DR

Handling: Dry overspray may contain nitrocellulose. Avoid contaminating collected overspray with aluminum, amines or any other potentially reactive substance. Wet collected overspray with water.  
Storage: Do not store above 115 deg. F (46 deg. C) store large quantities in compliance with OSHA 29CFR1910.106.  
OTHER PRECAUTIONS: Do not take internally. Close container after each use. Avoid skin contact. Empty containers must not be washed and re-used for any purpose. Containers should be grounded and bonded to the receiving container. Do not weld, braze or cut on empty container. Never use pressure to empty. Drum is not a pressure vessel.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

E0232C-DR

Ventilation System: Provide local exhaust ventilation in sufficient volume and pattern so as to maintain exposures below nuisance dust limits and permissible exposure limits which may be listed in Section II. Refer to Industrial Ventilation - A Manual for Recommended Practice - American Conference Of Governmental Industrial Hygienists.


Hand Protection Description: Solvent impermeable gloves are required for immediate or prolonged contact. Refer to glove manufacturer's recommendations and specifications.

Eye/Face Protection: Wear safety glasses meeting the specifications of ANSI Z87.1 where no contact with the eye is anticipated. Chemical safety goggles meeting the specifications of ANSI Z87.1 should be worn whenever there is a possibility of splashing or other contact with the eyes.

Respiratory Protection: Proper selection of respiratory protection depends upon many factors including

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

E0232C-DR


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duration/level of exposure and conditions of use. In general exposure to organic chemicals such as those contained in this product may not require the use of respiratory protection if used in well ventilated areas. In restricted ventilation areas a NIOSH approved chemical cartridge respirator may be required. Under certain conditions, such as spraying, a mechanical prefilter may also be required. In confined areas use a NIOSH/MSHA approved air supplied respirator. If the TLV's listed in Section II are exceeded use a properly fitted NIOSH/MSHA approved respirator with an appropriate protection factor. Refer to OSHA 29 CFR 1910.134 "Respiratory Protection", and "Respiratory Protection A Manual And Guideline, American Industrial Hygiene Assoc."

Other Protective: Eyewash facility, safety shower.

## SECTION 10 : STABILITY and REACTIVITY

E0232C-DR

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Vapor Density: Heavier than air.

Flash Point: 1 deg F, (-17 deg C)

Flash Point Method: SFCC

Boiling Point: 130 deg F, (54 deg C.) TO 698 deg F, (370 deg C.)

Specific Gravity: 0.9

Evaporation Point: Slower than diethyl ether.

Percent Volatile: BY VOLUME: 86

Volatile Organic Compound Content: 2.29 lb/gal less water& NPR5\*, 275 g/l less water CALCULATED


Comment: \* Negligibly Photochemically Reactive Materials

WEIGHT LB./GAL.: 7.4

All Physical data determined at 68 deg F, (20 deg C.) 760 mm Hg

## SECTION 11 : TOXICOLOGICAL INFORMATION

E0232C-DR

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Chemical Stability: Normally stable.

Conditions to Avoid: Avoid excessive heat (> 115 deg F (46 deg C) and sources of ignition.

Incompatibilities with Other Materials: Aluminum

Strong acids or alkaline materials.

Metal powders, carbides, sulfides, strong bases, and organic chemicals.

Amines.

Over spray may contain dry nitrocellulose which may react with contaminants to generate heat and possibly fire. Wet accumulated overspray with water.


Hazardous Polymerization: Will not occur

CONDITIONS TO AVOID: None known

Hazardous Decomposition Products: Burning, including when heated by welding or cutting, will produce smoke, carbon monoxide and carbon dioxide. In addition, oxides of nitrogen, may be generated.

## SECTION 12 : ECOLOGICAL INFORMATION


E0232C-DR

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Toxicological Paragraph: No information available.

## SECTION 13 : DISPOSAL CONSIDERATIONS

E0232C-DR

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Ecological Paragraph: No information available.

Waste Disposal: RCRA Hazard Class: Dispose in accordance with federal, state and local regulations. This product, if discarded directly, would be classified a hazardous waste based on its ignitability characteristic, i.e. has a flash point of 140 deg. F.(60 deg. C) or less. The proper RCRA classification would be D001. See Section 6.

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SECTION 14 : TRANSPORT INFORMATION

E0232C-DR

Transportation Information: ITEM: E0232C-DR

DESC/SIZE: CELLUBOND E0232C DRUM/404LB

DOT Shipping Information: DOT (HM-181) (DOMESTIC SURFACE)

NAERG: 128

DOT Shipping Name: ADHESIVES

UN1133

DOT Hazard Class: 3

II

DOT Packing Group: IATA:

NAERG: 3-05

IATA Shipping Name: IATA Shipping Name:

IMDG CODE: (OCEAN)

CGVS/GGVE/IMDG Technical Name: CGVS/GGVE/IMDG UN or NA

ADHESIVES

Identification Number: CGVS/GGVE/IMDG Class:

UN1133

CGVS/GGVE/IMDG Packaging Group: CGVS/GGVE/IMDG Class:

3

NOTE! The assignment of Proper Shipping Names is in part a function of the size of the product container and the transport mode. For example, the Proper Shipping Name for a bulk container can differ significantly from the Proper Shipping Name for the same product packaged in a non-bulk container. This can also be true for products shipped via different modes of transportation (i.e. ground, air, ocean). The descriptions provided above are intended to provide some guidance. However, these descriptions may not apply to your package size or mode of shipment. The U.S. Code of Federal Regulations, 49 CFR - Transportation, regulations, and the policies established by some transporters, require that the shipper properly classify and assign a Proper Shipping Name, and label, mark and package the material properly. Therefore, the user of this information is cautioned to consult with applicable regulations, and with qualified advisors prior to the repackaging and or reshipment of this or other any product which contain this product.

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SECTION 15 : REGULATORY INFORMATION

E0232C-DR

Applies to All Ingredients : TSCA 8(b) : Inventory Status:

All ingredients in this product are listed on the US TSCA Inventory. X-SARA 313 = CHEMICAL IS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF S.A.R.A. 40 CFR PART 372

ACETONE :

TSCA 8(b) : Inventory Status:

TSCA(4) : Yes

RESIN ESTER HM1743 :

TSCA 8(b) : Inventory Status:

TSCA(5a2) : Yes

TSCA 8(d) : Manufacturer Health and Safety Data (Yes/No):

TSCA(8a PAIR) : Yes

ISOPROPYL ALCOHOL :

TSCA 8(b) : Inventory Status:

TSCA(4) : Yes

TSCA(8a PAIR): Yes  
 Yes  
 TSCA 8(d): Manufacturer Health and Safety Data (Yes/No):  
 Canada DSL: Yes  
**NITROCELLULOSE :**  
 Canada DSL: Yes  
 DSL: Yes  
 Canada DSL: Yes  
 Comments: TSCA/Toxic Substances Control Act: (4) Test Rules (5a2) Chemicals Subject to Significant new use rules. (SNURs) (8a PAIR) Preliminary Assessment Information Rules (8d) Health and Safety Reporting Rules DSL/Canadian Domestic Substance List

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SECTION 16 : ADDITIONAL INFORMATION

E0232C-DR

HMIS:

Health Hazard: 1

Fire Hazard: 3

Reactivity: 0

MSDS Revision Date: 7/21/06

MSDS Author:

For Safety and Regulatory Information contact:  
 Product Safety and Regulatory Affairs,  
 Rocky Hill, CT  
 Tel: 860-571-5204

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