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MSDS NO. CNB 925-42
CNB 925-42

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

COMPANY IDENTIFICATION

HENKEL LOCTITE CORPORATION
15051 East Don Julian Road
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USA
Phone: 1-626-968-6511
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EMERGENCY TELEPHONE NUMBERS

Transportation: 1-800-424-9300
Chemtrec, USA, 1-703-527-3887
International 1-703-527-3887
Non-Transportation: 1-626-922-1605

PRODUCT NAME
CNB 925-42

PRODUCT CODE
CNB 925-42

PRODUCT DESCRIPTION
Advanced IC Encapsulant

GENERAL USE
For No-Lead Array Packages

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Trade Secret 1829	10.000- 30.000	PROPRIETARY
Trade Secret 5088	10.000- 30.000	PROPRIETARY
Carbon Black	0.200	1333-86-4
Quartz	0.311	14808-60-7

DISCLOSURE

This product is hazardous under the criteria of the USA OSHA Hazard Communication Standard 29 CFR 1910.1200.

Any ingredient claimed as a trade secret will be disclosed in accordance with 29 CFR 1910.1200 (i).

See Section 8 of this MSDS for any noted exposure limits for these compounds.

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

 Caution!
 Black liquid
 No Odor
 Possible Irritation to Eyes, Skin and Lungs

EYE CONTACT

Contact may cause eye irritation.

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SECTION 3. HAZARDS IDENTIFICATION
(CONTINUED)

SKIN CONTACT

Prolonged or repeated contact may cause irritation.

INHALATION

May cause irritation to the respiratory tract.

INGESTION

Moderately toxic, may cause vomiting.

PRIMARY ROUTE OF EXPOSURE

Eyes, skin and lungs

MEDICAL CONDITIONS AGGRAVATED

Preexisting skin and eye disorders may be aggravated by exposure to this product.

Preexisting skin or lung allergies may increase the chance of developing increased allergic symptoms from exposure to this product.

CARCINOGENICITY

IARC - 1 Quartz, Group 2B Carbon Black

OSHA - Not Listed

NTP - 2 Quartz

WARNING: Contains cristalline silica which may cause cancer. However, no exposure should occur once the product is cured unless the cured product is sanded, cut or ground.

TARGET ORGANS

Ingredients may be toxic to the following organs:

Eyes, skin, lungs

SECTION 4. FIRST AID MEASURES

EYE CONTACT

Immediately wash/flush eyes with water for minimum 15 minutes. Seek medical attention.

SKIN CONTACT

Rinse skin immediately with plenty of water.
Remove contaminated clothing and shoes.
Seek medical attention, if irritation develops.

INHALATION

Remove victim to fresh air. If breathing is difficult get immediate medical attention. If not breathing give artifical respiration and call for emergency medical attention.

INGESTION

If swallowed, do NOT induce vomiting.
Seek prompt medical attention.

NOTE TO PHYSICIAN

Treatment should be directed at the control of symptoms and the clinical conditions.

ANTIDOTES

There are no specific antidotes.

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SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT
200.00 F 93.33 C Greater Than

FLASH METHOD

EXTINGUISHING METHOD
Water fog, carbon dioxide, dry chemical, foam.

FIRE FIGHTING PROCEDURES
Recommended use of self contained breathing apparatus (SCBA).

FIRE AND EXPLOSION HAZARDS
No unusual fire or explosion hazards.

HAZARDOUS PRODUCTS/COMBUSTION
N/D

SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEAN-UP
Contain spill in natural form or with sand or dirt (inert material).
Eliminate all ignition sources.
Prevent runoff to storm sewers, ditches and waterways.
Shovel or scrape (non-metallic) absorbed waste materials into disposal container.
Seal lid tightly with tape or locking ring and label properly.
Clean up spill immediately, observing precautions including adequate ventilation and/or personal protective equipment (See Section 8).

SECTION 7. HANDLING AND STORAGE

HANDLING
If skin contact occurs immediately wash with soap and water.

STORAGE
Dry atmospheric conditions.
Keep containers closed and tightly sealed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
Work should be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the PEL and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

EYE PROTECTION
Wear appropriate goggles, face shields or other Personal Protection Equipment (PPE) which will be effective under the circumstances if the possibility of contact exists. A program meeting 29 CFR 1910.133 requirements must be followed when PPE is necessary.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
 (CONTINUED)

SKIN PROTECTION

Impermeable gloves and protective clothing as necessary to prevent skin contact.

RESPIRATORY PROTECTION

Appropriate respirators must be used, and a program that follows 29 CFR 1910.134 must be followed, when workplace hazards warrant the use of a respirator. NIOSH-approved respirators must be used when respiratory protection is necessary.

OTHER PROTECTION

A safety shower and eye wash station should be within reasonable distance of the work area.

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG. AGENCY	PELTL	STEL	CEIL
Trade Secret 1829	OSHA	N/D	N/D	N/D
	ACGIH	N/D	N/D	N/D
Trade Secret 5088	OSHA	N/D	N/D	N/D
	ACGIH	N/D	N/D	N/D
Carbon Black	OSHA	3.5000	N/D	N/D
	ACGIH	3.5000	N/D	N/D
Quartz	OSHA	0.1000	N/D	N/D
	ACGIH	0.1000	N/D	N/D

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS

CEIL Ceiling Exposure Limit
 PELTL PEL/TLV (TWA)
 STEL Short Term Exposure Limit
 N/D = Not Determined

UNIT OF MEASURE

Mg/M3 Milligrams per Cubic Meter (Solid)
 PPM Parts Per Million (Liquid)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR

Black liquid, no odor.

SPECIFIC GRAVITY

1.76

VAPOR PRESSURE (mm Hg)

N/D

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
(CONTINUED)

VAPOR DENSITY (Air = 1.0)
N/D

EVAPORATION RATE
N/D

SOLUBILITY IN WATER
Insoluble

SOLUBILITY IN OTHER SOLVENTS
Ketones

VOLATILE ORGANIC COMPOUNDS
VOC - % N/D
VOC - grams/Liter N/D
VOC - lbs/Gal N/D

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES
N/D

DECOMPOSITION
N/D

POLYMERIZATION
Hazardous polymerization will not occur.

CONDITIONS TO AVOID
High temperature, open flames

STABILITY
Stable

SECTION 11. TOXICOLOGICAL INFORMATION

DERMAL EFFECTS
Refer to Section 3.

TOXICITY DATA
Testing has not been performed on this product.
For data on components, please phone 626-968-6511.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No specific studies have been conducted by Henkel Loctite on the ecotoxicity or environmental fate of this material; however, available data on the ecotoxicity and environmental fate of certain of the constituents of this material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity

SECTION 12. ECOLOGICAL INFORMATION
(CONTINUED)

and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in Section 8. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases of this material to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Disposal of waste properly and in accordance with legal requirements is the responsibility of the owner/generator of the waste, and may be subject to state and/or local regulations, which may change frequently. Accordingly, applicable legal requirements should be confirmed with all relevant authorities prior to treatment, storage or disposal of waste containing the material described in this MSDS.

It is recommended that all waste resulting from use of this material be: first, reused or reintroduced into the process; second, reclaimed, regenerated or otherwise recycled, if reuse is not possible; third, burned for energy recovery or incinerated as preferred means of disposal, with appropriate treatment of combustion residues to render them inert, if recycling is not possible; fourth, treated to render it inert prior to disposal.

SECTION 14. TRANSPORT INFORMATION

DOT/IATA PROPER SHIPPING NAME
Not Regulated

DOT/IATA PACKING GROUP
Not Regulated

DOT/IATA HAZARD CLASS OR DIV
Not Regulated

DOT/IATA LABEL
Not Regulated

DOT/IATA PLACARD
Not Regulated

DOT/IATA UN NUMBER
Not Regulated

PRODUCT REPORTABLE QTY (LBS)
Not Regulated

ADR
Not Regulated

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 SECTION 15. REGULATORY INFORMATION

Component Trade Secret 1829 is subject to the following

 Environmental List

311/312 SARA Sect. 311/312

Component Trade Secret 5088 is subject to the following

 Environmental List

311/312 SARA Sect. 311/312

Component Carbon Black is subject to the following

 Environmental List

PROP65-C CA PROP 65 Carcinogen
 311/312 SARA Sect. 311/312

Component Quartz is subject to the following

 Environmental List

PROP65-C CA PROP 65 Carcinogen
 311/312 SARA Sect. 311/312

SECTION 16. OTHER INFORMATION

HMIS					
Health	Flammability	Reactivity		Hazard Rating	
1	0	1	Least 0	Slight 1	
			Moderate 2	High 3	
				Extreme 4	

WHMIS CLASSIFICATION
 Not Determined

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SECTION 16. OTHER INFORMATION
(CONTINUED)

REVISION SECTION/REASON
None

APPROVED BY
HSE, Industry, California

CREATED BY
HSE & R&D, INDUSTRY, CALIF.

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KEY TO ABBREVIATIONS:

EQ=Equal
AP=APproximately
N/D = Not Determined

LT=Less Than
TR=TRace

GT=Greater Than
ND=No Data available