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MSDS

Common Name: COLOR GUARD BLUE, 34982**Manufacturer:** HENKEL**MSDS Revision Date:** 12/13/2005**Grainger Item Number(s):** 5E229, 5E230, 6KVD1**Manufacturer Model Number(s):**

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LOCTITE(R*)

MATERIAL SAFETY DATA SHEET

HENKEL TECHNOLOGIES

REVISION DATE: 12/13/2005

ISSUE DATE: 12/13/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME: COLOR GUARD(R*) BLUE

PRODUCT TYPE: COATING

COMPANY ADDRESS:

HENKEL CORPORATION

1001 TROUT BROOK CROSSING

ROCKY HILL, CONNECTICUT 06067

ITEM NO.: 34982

REGION: UNITED STATES

CONTACT INFORMATION:

TELEPHONE: 860.571.5100

EMERGENCY TELEPHONE: 860.571.5100

INTERNET: WWW.LOCTITE.COM

2. COMPOSITION INFORMATION ON INGREDIENTS

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HAZARDOUS COMPONENTS	%	ACGIH TLV	OSHA PEL	OTHER
LIGHT ALIPHATIC SOLVENT NAPHTHA 64742-88-8	30-60	NONE	NONE	NONE
n-HEXANE 110-54-3	10-30	1000 PPM STEL OTHER THAN n-HEXANE 50 PPM TWA 500 PPM TWA OTHER THAN n-HEXANE (SKIN)	1800 MG/M3 TWA 500 PPM TWA	NONE
XYLENE 1330-20-7	10-30	100 PPM TWA 150 PPM STEL	100 PPM TWA 435 MG/M3 TWA	NONE
ACETONE 67-64-1	5-10	500 PPM TWA 750 PPM STEL	1000 PPM TWA 2400 MG/M3 TWA	NONE
ETHYL BENZENE 100-41-4	1-5	100 PPM TWA 125 PPM STEL	100 PPM TWA 435 MG/M3 TWA	NONE
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE 112945-52-5	1-5	6 MG/M3 TWA	10 MG/M3 TWA	3 MG/M3 TWA RESPIRABLE DUST

3. HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW:

PHYSICAL STATE: LIQUID

COLOR: BLUE

ODOR: SOLVENT

HMIS:

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	1

PERSONAL PROTECTION SEE SECTION 8

DANGER:

EXTREMELY FLAMMABLE.

MAY BE HARMFUL IF INHALED.

RELEVANT ROUTES OF EXPOSURE:

EYE CONTACT, SKIN CONTACT, INHALATION, INGESTION.

POTENTIAL HEALTH EFFECTS:

INHALATION:

VAPORS MAY CAUSE HEADACHES, NAUSEA, DIZZINESS AND RESPIRATORY TRACT IRRITATION, REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. PROLONGED EXPOSURE TO SOLVENTS MAY CAUSE ADVERSE EFFECTS TO THE LIVER, URINARY, AND REPRODUCTIVE SYSTEMS.

SKIN CONTACT:

CONTACT MAY DRY THE SKIN: PROLONGED CONTACT MAY CAUSE MODERATE IRRITATION.

EYE CONTACT:

VAPORS MAY IRRITATE EYES. CONTACT WITH EYES WILL CAUSE IRRITATION.

INGESTION: MAY BE HARMFUL IF SWALLOWED.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE:

HEART DISEASE. LIVER DISEASE. KIDNEY DISEASE. LUNG DISORDERS. SKIN DISORDERS.

SEE SECTION 11 FOR ADDITIONAL TOXICOLOGICAL INFORMATION.

4. FIRST AID MEASURES



INHALATION:

REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP AND PERSIST, GET MEDICAL ATTENTION.

SKIN CONTACT:

REMOVE CONTAMINATED CLOTHING AND SHOES. IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER (USING SOAP, IF AVAILABLE). WASH CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION IF SYMPTOMS DEVELOP AND PERSIST.

EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IF SYMPTOMS DEVELOP AND PERSIST.

NOTES TO PHYSICIAN: NONE.

5. FIRE FIGHTING MEASURES



FLASH POINT: -23 DEG. C (-10 DEG. F) TAGLIABUE OPEN CUP

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

FLAMMABLE/EXPLOSIVE LIMITS-LOWER %: 0.9

FLAMMABLE/EXPLOSIVE LIMITS-UPPER %: 12.8

EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES:

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING, SUCH AS TURN-OUT GEAR.

UNUSUAL FIRE OR EXPLOSION HAZARDS:

DO NOT STORE OR USE NEAR HEAT, SPARK, OPEN FLAME OR OTHER SOURCES OF IGNITION.

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON.

6. ACCIDENTAL RELEASE MEASURES



ENVIRONMENTAL PRECAUTIONS: NONE KNOWN

CLEAN-UP METHODS:

REMOVE ALL IGNITION SOURCES, ENSURE ADEQUATE VENTILATION, SOAK UP WITH INERT ABSORBENT. PREVENT PRODUCT FROM ENTERING DRAINS. STORE IN A CLOSED CONTAINER UNTIL READY FOR DISPOSAL.

7. HANDLING AND STORAGE



HANDLING:

AVOID CONTACT WITH SKIN AND EYES. DO NOT BREATHE MIST OR VAPORS. KEEP AWAY FROM HEAT, SPARK AND FLAME.

STORAGE:

FOR SAFE STORAGE, STORE AT OR BELOW 48 DEG. C (120 DEG. F), KEEP IN A COOL, WELL VENTILATED AREA. KEEP AWAY FROM HEAT, SPARKS AND FLAME.

INCOMPATIBLE PRODUCTS:

STRONG ACIDS OR BASES. OXIDIZING AGENTS. WATER, AMINES, STRONG BASES, AND ALCOHOLS. ALKALIS. HALOGENS.

FOR INFORMATION ON PRODUCT SHELF LIFE CONTACT HENKEL CUSTOMER SERVICE AT: (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



ENGINEERING CONTROLS:

USE LOCAL VENTILATION IF GENERAL VENTILATION IS INSUFFICIENT TO MAINTAIN VAPOR CONCENTRATION BELOW ESTABLISHED EXPOSURE LIMITS.

RESPIRATORY PROTECTION:

USE NIOSH APPROVED RESPIRATOR IF THERE IS POTENTIAL TO EXCEED EXPOSURE LIMIT(S).

SKIN PROTECTION: CHEMICAL RESISTANT, IMPERMEABLE GLOVES.

EYE/FACE PROTECTION: SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

SEE SECTION 2 FOR EXPOSURE LIMITS.

9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: LIQUID

COLOR: BLUE

ODOR: SOLVENT

VAPOR PRESSURE: 185 MMHG AT 20 DEG. C (68 DEG. F)

pH: NOT APPLICABLE

BOILING POINT/RANGE: 56.1-141.1 DEG. C (133-286 DEG. F)

MELTING POINT/RANGE: NOT AVAILABLE

SPECIFIC GRAVITY: 0.83

VAPOR DENSITY: HEAVIER THAN AIR GREATER THAN 1

EVAPORATION RATE: GREATER THAN BUTYL ACETATE. (BUTYL ACETATE = 1)

SOLUBILITY IN WATER: INSOLUBLE

PARTITION COEFFICIENT (n-OCTANOL/WATER): NOT AVAILABLE

VOC CONTENT: 67.0%; 556 GRAMS/LITER

10. STABILITY AND REACTIVITY



STABILITY: STABLE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

INCOMPATIBILITY:

STRONG ACIDS AND STRONG BASES. OXIDIZING AGENTS. AMINES. ALKAL METALS.
HALOGENATED COMPOUNDS.

CONDITIONS TO AVOID:

STORAGE WITH INCOMPATIBLE MATERIALS. HEAT, FLAMES, SPARKS AND OTHER SOURCES
OF IGNITION.

11. TOXICOLOGICAL INFORMATION



CARCINOGEN STATUS:

HAZARDOUS COMPONENTS	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN
LIGHT ALIPHATIC SOLVENT NAPHTHA 64742-89-8	NO	NO	NO
n-HEXANE 110-54-3	NO	NO	NO
XYLENE 1330-20-7	NO	NO	NO
ACETONE 67-64-1	NO	NO	NO

ETHYL BENZENE 100-41-4	NO	GROUP 2B	YES
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE 112945-52-5	NO	NO	NO

LITERATURE REFERENCED TARGET ORGAN & OTHER HEALTH EFFECTS:

HAZARDOUS COMPONENTS	HEALTH EFFECTS/TARGET ORGANS
LIGHT ALIPHATIC SOLVENT NAPHTHA 64742-89-8	IRRITANT
n-HEXANE 110-54-3	DEVELOPMENTAL, IRRITANT, LUNG, NERVOUS SYSTEM, REPRODUCTIVE
XYLENE 1330-20-7	CARDIAC, CENTRAL NERVOUS SYSTEM, IRRITANT, KIDNEY, LIVER
ACETONE 67-64-1	BLOOD, CENTRAL NERVOUS SYSTEM, IRRITANT, REPRODUCTIVE
ETHYL BENZENE 100-41-4	CENTRAL NERVOUS SYSTEM, IRRITANT
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE 112945-52-5	NUISANCE DUST

12. ECOLOGICAL INFORMATION



ECOLOGICAL INFORMATION: NOT AVAILABLE

13. DISPOSAL CONSIDERATIONS



INFORMATION PROVIDED IS FOR UNUSED PRODUCT ONLY.

RECOMMENDED METHOD OF DISPOSAL:

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

EPA HAZARDOUS WASTE NUMBER:

D001: IGNITABLE

14. TRANSPORT INFORMATION



THE SHIPPING CLASSIFICATIONS IN THIS SECTION ARE FOR NON-BULK PACKAGING ONLY (UNLESS OTHERWISE SPECIFIED). SHIPPING CLASSIFICATION MAY BE DIFFERENT FOR BULK PACKAGING.

U.S. DEPARTMENT OF TRANSPORTATION GROUND (49 CFR):

PROPER SHIPPING NAME: COATING SOLUTION

HAZARD CLASS OR DIVISION: 3

IDENTIFICATION NUMBER: UN1139

PACKING GROUP: II
EXCEPTIONS: (NOT MORE THAN 5 L) CONSUMER COMMODITY ORM-D
MARINE POLLUTANT: NONE

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA):
PROPER SHIPPING NAME: COATING SOLUTION
HAZARD CLASS OR DIVISION: 3
IDENTIFICATION NUMBER: UN1139
PACKING GROUP: II
EXCEPTIONS: (NOT MORE THAN 500 ML) MAY QUALIFY AS CONSUMER COMMODITY ID8000

WATER TRANSPORTATION (IMO/IMDG):
PROPER SHIPPING NAME: COATING SOLUTION
HAZARD CLASS OR DIVISION: 3
IDENTIFICATION NUMBER: UN1139
PACKING GROUP: II
MARINE POLLUTANT: NONE

15. REGULATORY INFORMATION



UNITED STATES REGULATORY INFORMATION:

TSCA 8 (B) INVENTORY STATUS:
ALL COMPONENTS ARE LISTED OR ARE EXEMPT FROM LISTING ON THE TOXIC SUBSTANCES
CONTROL ACT INVENTORY.

TSCA 5 (A) (2) SNUR: NONE.

TSCA 12 (B) EXPORT NOTIFICATION: NONE.

CERCLA/SARA SECTION 302 EHS: NONE.

CERCLA/SARA SECTION 311/312:
IMMEDIATE HEALTH HAZARD, DELAYED HEALTH HAZARD, FIRE

CERCLA/SARA 313:
THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING
REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY
RIGHT-TO-KNOW ACT OF 1966 (40 CFR 372). ETHYL BENZENE (CAS# 100-41-4).
n-HEXANE (CAS# 110-54-3), XYLENE (CAS# 1330-20-7).

CALIFORNIA PROPOSITION 65:
THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE
CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CANADA REGULATORY INFORMATION:

CEPA DSL/NDSL STATUS:
ALL COMPONENTS ARE LISTED ON OR ARE EXEMPT FROM LISTING ON THE DOMESTIC
SUBSTANCES LIST.

WHMIS HAZARD CLASS: B.2, D.2.A, D.2.B

16. OTHER INFORMATION



THIS MATERIAL SAFETY DATA SHEET CONTAINS CHANGES FROM THE PREVIOUS VERSION
IN SECTIONS; THIS MATERIAL SAFETY DATA SHEET CONTAINS CHANGES FROM THE
PREVIOUS VERSION IN SECTION(S):
3, 14

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