

SDSD2400

ITEM: 1UYJ2 - Lead Free Flux, 2 Oz, For Solder Prep

DELIVERY: 6348852837

HU NUMBER: U876688034

SAFETY DATA SHEET (SDS)

This SDS should be attached or kept with the respective product with which it is associated.

MSDS - D2400

Associated Grainger Items
1UYJ2

MATERIAL SAFETY DATA SHEET

W
WORTHINGTON CYLINDERS

-----1. PRODUCT AND COMPANY IDENTIFICATION -----

MATERIAL NAME: WORTHINGTON PETROLEUM BASED SOLDERING FLUX

VERSION #: 01

ISSUE DATE: 18 JUNE 2013

REVISION DATE:

SUPERSEDES DATE:

CAS #, MIXTURE

PRODUCT CODE: WC016

PRODUCT USE: SOLDERING FLUX.

MANUFACTURER INFORMATION:

MANUFACTURER/SUPPLIER: WORTHINGTON CYLINDER CORPORATION

ADDRESS:
1690 LOWERY STREET
WINSTON-SALEM, NC 27101
UNITED STATES

CONTACT PERSON: MELISSA GRIMES

MELISSA.GRIMES@WORTHINGTONINDUSTRIES.COM

TELEPHONE NUMBER: 336-831-8601

CHEMTREC - 24 HOURS: (800) 424-9300

-----2. HAZARDS IDENTIFICATION -----

PHYSICAL STATE: SEMI-SOLID.

APPEARANCE: REDDISH BROWN PASTE.

EMERGENCY OVERVIEW: DANGER

CAUSES SKIN AND EYE BURNS. HARMFUL IF SWALLOWED. IRRITATING TO RESPIRATORY SYSTEM.

OSHA REGULATORY STATUS:
THIS PRODUCT IS CONSIDERED HAZARDOUS UNDER 29 CFR 1910.1200 (HAZARD COMMUNICATION).

POTENTIAL HEALTH EFFECTS:

ROUTES OF EXPOSURE: FUME INHALATION. INGESTION. SKIN CONTACT. EYE CONTACT.

EYES: CAUSES EYE BURNS.

SKIN: CAUSES SKIN BURNS.

INHALATION:
IRRITATING TO RESPIRATORY SYSTEM. ELEVATED TEMPERATURES OR MECHANICAL ACTION MAY FORM DUST AND FUMES WHICH MAY BE IRRITATING TO THE RESPIRATORY TRACT.

INGESTION:
HARMFUL IF SWALLOWED. INGESTION MAY PRODUCE BURNS TO THE LIPS, ORAL CAVITY, UPPER AIRWAY, ESOPHAGUS AND POSSIBLY THE DIGESTIVE TRACT.

TARGET ORGANS: EYES. SKIN. RESPIRATORY SYSTEM.

SIGNS AND SYMPTOMS:
SYMPTOMS OF OVEREXPOSURE INCLUDE: SALIVATION, COUGHING, CHOKING, CHILLS, MAY CAUSE WEIGHT LOSS, BRITTLE BONES, ANEMIA AND STIFF JOINTS.

POTENTIAL ENVIRONMENTAL EFFECTS:
THIS MATERIAL HAS NOT BEEN TESTED FOR ENVIRONMENTAL EFFECTS.

-----3. COMPOSITION / INFORMATION ON INGREDIENTS -----

COMPONENTS CAS # PERCENT

PETROLATUM 8009-03-8 55 - 85

ZINC CHLORIDE 7646-85-7 15 - 40

AMMONIUM CHLORIDE 12125-02-9 0 - 5

COMPOSITION COMMENTS:
ALL CONCENTRATIONS ARE IN PERCENT BY WEIGHT UNLESS INGREDIENT IS A GAS. GAS CONCENTRATIONS ARE IN PERCENT BY VOLUME.

-----4. FIRST AID MEASURES -----

FIRST AID PROCEDURES.

EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL

ATTENTION IMMEDIATELY.

SKIN CONTACT:
REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES. IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. WASH CLOTHING SEPARATELY BEFORE REUSE.

INHALATION:
MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INHALED THE SUBSTANCE. INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:
IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF THE PERSON IS CONSCIOUS). NEVER GIVE ANYTHING BY MOUTH TO A VICTIM WHO IS UNCONSCIOUS OR IS HAVING CONVULSIONS. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE RISK OF ASPIRATION. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INGESTED THE SUBSTANCE. INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE. GET MEDICAL ATTENTION IMMEDIATELY.

NOTES TO PHYSICIAN:
TREAT SYMPTOMATICALLY. EXPOSURE MAY AGGRAVATE PRE-EXISTING RESPIRATORY, LUNG OR KIDNEY DISORDERS.

GENERAL ADVICE: SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.

-----5. FIRE FIGHTING MEASURES -----

FLAMMABLE PROPERTIES: NONE KNOWN.

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CARBON DIOXIDE.

UNSUITABLE EXTINGUISHING MEDIA: NONE.

PROTECTION OF FIRE FIGHTERS:

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
FIRE MAY PRODUCE IRRITATING, CORROSIVE AND/OR TOXIC GASES.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS:
FIRE FIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING INCLUDING SELF CONTAINED BREATHING APPARATUS.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:
MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK.

SPECIFIC METHODS:
USE STANDARD FIRE FIGHTING PROCEDURES AND CONSIDER THE HAZARDS OF OTHER INVOLVED MATERIALS.

-----6. ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS:
USE PERSONAL PROTECTION AS RECOMMENDED IN SECTION 8 OF THE MSDS. AVOID INHALATION OF DUST AND CONTACT WITH SKIN AND EYES.

ENVIRONMENTAL PRECAUTIONS:
PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT CONTAMINATE WATER.

METHODS FOR CLEANING UP:
NEUTRALIZE WITH SODA ASH OR SODIUM BICARBONATE. DILUTE WITH PLENTY OF WATER. DISPOSE OF IN ACCORDANCE WITH EPA REGULATIONS.

-----7. HANDLING AND STORAGE -----

HANDLING:
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8). USE ONLY WITH ADEQUATE VENTILATION. DO NOT BREATHE FUMES AND DUSTS. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

STORAGE:
STORE IN PLASTIC CONTAINERS IN COOL AREA AWAY FROM HEAT. STORE AWAY FROM INCOMPATIBLE MATERIALS.

-----8. EXPOSURE CONTROLS / PERSONAL PROTECTION -----

OCCUPATIONAL EXPOSURE LIMITS:

US. ACGIH THRESHOLD LIMIT VALUES:

COMPONENTS TYPE VALUE FORM
AMMONIUM CHLORIDE (CAS 12125-02-9) STEL 20 MG/M3 FUME.
TWA 10 MG/M3 FUME.

ZINC CHLORIDE (CAS 7646-85-7) STEL 2 MG/M3 FUME.
TWA 1 MG/M3 FUME.

US. OSHA TABLE Z-1 LIMITS FOR AIR CONTAMINANTS (29 CFR 1910.1000):

COMPONENTS TYPE VALUE FORM
ZINC CHLORIDE (CAS 7646-85-7) PEL 1 MG/M3 FUME.

CANADA. ALBERTA OELS (OCCUPATIONAL HEALTH & SAFETY CODE, SCHEDULE 1, TABLE 2):

COMPONENTS TYPE VALUE FORM
AMMONIUM CHLORIDE (CAS 12125-02-9) STEL 20 MG/M3 FUME.
TWA 10 MG/M3 FUME.

ZINC CHLORIDE (CAS 7646-85-7) STEL 2 MG/M3 FUME.
TWA 1 MG/M3 FUME.

CANADA, BRITISH COLUMBIA OELS. (OCCUPATIONAL EXPOSURE LIMITS FOR CHEMICAL SUBSTANCES, OCCUPATIONAL HEALTH AND SAFETY REGULATION 296/97, AS AMENDED).

COMPONENTS TYPE VALUE FORM

AMMONIUM CHLORIDE (CAS 12125-02-9) STEL 20 MG/M3 FUME.
TWA 10 MG/M3 FUME.

ZINC CHLORIDE (CAS 7646-85-7) STEL 2 MG/M3 FUME.
TWA 1 MG/M3 FUME.

CANADA, ONTARIO OELS. (CONTROL OF EXPOSURE TO BIOLOGICAL OR CHEMICAL AGENTS):

COMPONENTS TYPE VALUE FORM

AMMONIUM CHLORIDE (CAS 12125-02-9) STEL 20 MG/M3 FUME.
TWA 10 MG/M3 FUME.

ZINC CHLORIDE (CAS 7646-85-7) STEL 2 MG/M3 FUME.
TWA 1 MG/M3 FUME.

CANADA, QUEBEC OELS. (MINISTRY OF LABOR - REGULATION RESPECTING THE QUALITY OF THE WORK ENVIRONMENT):

COMPONENTS TYPE VALUE FORM

AMMONIUM CHLORIDE (CAS 12125-02-9) STEL 20 MG/M3 FUME.
TWA 10 MG/M3 FUME.

ZINC CHLORIDE (CAS 7646-85-7) TWA 1 MG/M3 FUME.

MEXICO. OCCUPATIONAL EXPOSURE LIMIT VALUES:

COMPONENTS TYPE VALUE FORM

AMMONIUM CHLORIDE (CAS 12125-02-9) STEL 20 MG/M3 FUME.
TWA 10 MG/M3 FUME.

ZINC CHLORIDE (CAS 7646-85-7) STEL 2 MG/M3 FUME.
TWA 1 MG/M3 FUME.

EXPOSURE GUIDELINES:
USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. KEEP WORKING CLOTHES SEPARATELY.

ENGINEERING CONTROLS:
GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS. IF APPLICABLE, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. IF EXPOSURE LIMITS HAVE NOT BEEN ESTABLISHED, MAINTAIN AIRBORNE LEVELS TO AN ACCEPTABLE LEVEL.

PERSONAL PROTECTIVE EQUIPMENT:

EYE / FACE PROTECTION. WEAR APPROVED SAFETY GLASSES OR GOGGLES.

SKIN PROTECTION. WEAR PROTECTIVE GLOVES.

RESPIRATORY PROTECTION:
USE A RESPIRATOR WHEN LOCAL EXHAUST OR VENTILATION IS NOT ADEQUATE TO KEEP EXPOSURES BELOW THE OEL. IN A CONFINED SPACE A SUPPLIED RESPIRATOR MAY BE REQUIRED. SELECTION AND USE OF RESPIRATORY PROTECTIVE EQUIPMENT SHOULD BE IN ACCORDANCE WITH OSHA GENERAL INDUSTRY STANDARD 29 CFR 1910.134. OR IN CANADA WITH CSA STANDARD Z94.4.

GENERAL HYGIENE CONSIDERATIONS.
ALWAYS OBSERVE GOOD PERSONAL HYGIENE MEASURES, SUCH AS WASHING AFTER HANDLING THE MATERIAL AND BEFORE EATING, DRINKING, AND/OR SMOKING. ROUTINELY WASH WORK CLOTHING AND PROTECTIVE EQUIPMENT TO REMOVE CONTAMINANTS.

-----9. PHYSICAL & CHEMICAL PROPERTIES -----

APPEARANCE: REDDISH BROWN PASTE.

PHYSICAL STATE: SEMI-SOLID.

FORM: PASTE.

COLOR: REDDISH-BROWN

ODOR: SLIGHT PETROLEUM ODOR.

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT AVAILABLE.

VAPOR PRESSURE: NOT AVAILABLE.

VAPOR DENSITY: NOT APPLICABLE.

BOILING POINT: NOT AVAILABLE

MELTING POINT/FREEZING POINT: 100 DEG. F (37.78 DEG. C)

SOLUBILITY (WATER): NOT SOLUBLE IN WATER.

SPECIFIC GRAVITY: 0.9

FLASH POINT: 360.0 - 430.0 DEG. F (182.2 - 221.1 DEG. C)

FLAMMABILITY LIMITS IN AIR, UPPER, % BY VOLUME: NOT AVAILABLE.
FLAMMABILITY LIMITS IN AIR, LOWER, % BY VOLUME: NOT AVAILABLE.

AUTO-IGNITION TEMPERATURE: NOT AVAILABLE.

EVAPORATION RATE: NOT APPLICABLE.

-----10. CHEMICAL STABILITY & REACTIVITY INFORMATION -----

CHEMICAL STABILITY. MATERIAL IS STABLE UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID. NONE KNOWN.

INCOMPATIBLE MATERIALS:
STRONG OXIDIZING AGENTS. CHLORINE. TURPENTINE. POTASSIUM. CYANIDES.
SULFIDES. POWDERED ZINC.

HAZARDOUS DECOMPOSITION PRODUCTS:
CHLORINE. HYDROGEN CHLORIDE. CARBON MONOXIDE.

POSSIBILITY OF HAZARDOUS REACTIONS:
HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

-----11. TOXICOLOGICAL INFORMATION -----

TOXICOLOGICAL DATA

COMPONENTS SPECIES TEST RESULTS

AMMONIUM CHLORIDE (CAS 12125-02-9)

ACUTE:

ORAL:
LD50 RAT 1650 MG/KG

ZINC CHLORIDE (CAS 7646-85-7)

ACUTE:

INHALATION:
LC50 RAT <=1.975 MG/L 10 MINUTES

ORAL:
LD50 RAT 350 MG/KG

SENSITIZATION. NOT AVAILABLE.

ACUTE EFFECTS:
CAUSES BURNS. HARMFUL IF SWALLOWED. IRRITATING TO RESPIRATORY SYSTEM.
EXPOSURE TO HIGH LEVELS OF ZINC CHLORIDE FUME MAY CAUSE PULMONARY EDEMA.

CARCINOGENICITY:
THIS PRODUCT IS NOT CONSIDERED TO BE A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA.

SYMPTOMS AND TARGET ORGANS: CAUSES SKIN AND EYE BURNS.

-----12. ECOLOGICAL INFORMATION -----

ECOTOXICOLOGICAL DATA:

COMPONENTS SPECIES TEST RESULTS

ZINC CHLORIDE (CAS 7646-85-7)

AQUATIC:

CRUSTACEA EC50 AMERICAN OR VIRGINIA OYSTER 0.1511 - 0.2782 MG/L
(CRASSOSTREA VIRGINICA) 48 HOURS

FISH LC50 RAINBOW TROUT, DONALDSON TROUT 0.101 - 0.197 MG/L
(ONCORHYNCHUS MYKISS) 96 HOURS

ECOTOXICITY: THIS MATERIAL HAS NOT BEEN TESTED FOR ENVIRONMENTAL EFFECTS.

PERSISTENCE AND DEGRADABILITY:
NO DATA IS AVAILABLE ON THE DEGRADABILITY OF THIS PRODUCT.

BIOACCUMULATION / ACCUMULATION: NOT AVAILABLE.

-----13. DISPOSAL CONSIDERATIONS -----

WASTE CODES:
D002. WASTE CORROSIVE MATERIAL (PH <=2 OR >=12.5, OR CORROSIVE TO STEEL)

DISPOSAL INSTRUCTIONS:
DISPOSE WASTE AND RESIDUES IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

WASTE FROM RESIDUES / UNUSED PRODUCTS:
DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

CONTAMINATED PACKAGING:
EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR RECYCLING OR DISPOSAL.

-----14. TRANSPORT INFORMATION -----

DOT: NOT REGULATED AS A HAZARDOUS MATERIAL BY DOT.

IATA: NOT REGULATED AS DANGEROUS GOODS.

IMDG: NOT REGULATED AS DANGEROUS GOODS.

TDG: NOT REGULATED AS DANGEROUS GOODS.

-----15. REGULATORY INFORMATION -----

US FEDERAL REGULATIONS:
THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

TSCA SECTION 12(B) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D):
NOT REGULATED.

CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS) LIST:
NOT REGULATED.

US EPCRA (SARA TITLE III) SECTION 313 - TOXIC CHEMICAL: DE MINIMIS
CONCENTRATION

AMMONIUM CHLORIDE (CAS 12125-02-9) 1.0%

ZINC CHLORIDE (CAS 7646-85-7): 1.0% N982

US EPCRA (SARA TITLE III) SECTION 313 - TOXIC CHEMICAL: LISTED SUBSTANCE
AMMONIUM CHLORIDE (CAS 12125-02-9): LISTED.
ZINC CHLORIDE (CAS 7646-85-7): N982 LISTED.

CERCLA (SUPERFUND) REPORTABLE QUANTITY (LBS) (40 CFR 302.4):
ZINC CHLORIDE: 1000
AMMONIUM CHLORIDE: 5000

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA):

HAZARD CATEGORIES:
IMMEDIATE HAZARD: YES
DELAYED HAZARD: YES
FIRE HAZARD: NO
REACTIVITY HAZARD: NO
PRESSURE HAZARD: NO

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE (40 CFR 355, APPENDIX A): NO

SARA 311/312 HAZARDOUS CHEMICAL: NO

DRUG ENFORCEMENT ADMINISTRATION (DEA) (21 CFR 1308.11-15): NOT CONTROLLED

CANADIAN REGULATIONS:
THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

WHMIS STATUS CONTROLLED:

WHMIS CLASSIFICATION:
D1B - IMMEDIATE/SERIOUS-TOXIC
E - CORROSIVE

WHMIS LABELING:
D1 - MATERIALS CAUSING IMMEDIATE AND SERIOUS TOXIC EFFECTS
E - CORROSIVE MATERIAL

INVENTORY STATUS:

COUNTRY(S) OR REGION	INVENTORY NAME (YES/NO)*	ON INVENTORY
AUSTRALIA	AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS)	YES
CANADA	DOMESTIC SUBSTANCES LIST (DSL)	YES
CANADA	NON-DOMESTIC SUBSTANCES LIST (NDSL)	NO
CHINA	INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA (IECSC)	YES
EUROPE	EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS)	YES
EUROPE	EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS)	NO
JAPAN	INVENTORY OF EXISTING AND NEW CHEMICAL SUBSTANCES (ENCS)	NO
KOREA	EXISTING CHEMICALS LIST (ECL)	YES
NEW ZEALAND	NEW ZEALAND INVENTORY	YES
PHILIPPINES	PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES (PICCS)	YES
UNITED STATES & PUERTO RICO	TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY	YES

*A "YES" INDICATES THIS PRODUCT COMPLIES WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY(S).

A "NO" INDICATES THAT ONE OR MORE COMPONENTS OF THE PRODUCT ARE NOT LISTED OR EXEMPT FROM LISTING ON THE INVENTORY ADMINISTERED BY THE GOVERNING COUNTRY(S).

STATE REGULATIONS:

US - CALIFORNIA HAZARDOUS SUBSTANCES (DIRECTOR'S): LISTED SUBSTANCE
AMMONIUM CHLORIDE (CAS 12125-02-9): LISTED.
ZINC CHLORIDE (CAS 7646-85-7): LISTED.

US - CALIFORNIA PROPOSITION 65 - CARCINOGENS & REPRODUCTIVE TOXICITY (CRT): LISTED SUBSTANCE

NOT LISTED.

US - NEW JERSEY RTK - SUBSTANCES: LISTED SUBSTANCE
AMMONIUM CHLORIDE (CAS 12125-02-9): LISTED.
ZINC CHLORIDE (CAS 7646-85-7): LISTED.

US. MASSACHUSETTS RTK - SUBSTANCE LIST:
AMMONIUM CHLORIDE (CAS 12125-02-9): LISTED.
ZINC CHLORIDE (CAS 7646-85-7): LISTED.

US. NEW JERSEY WORKER AND COMMUNITY RIGHT-TO-KNOW ACT:
ZINC CHLORIDE (CAS 7646-85-7): 500 LBS

US. PENNSYLVANIA RTK - HAZARDOUS SUBSTANCES:
AMMONIUM CHLORIDE (CAS 12125-02-9): LISTED.
ZINC CHLORIDE (CAS 7646-85-7): LISTED.

MEXICO REGULATIONS:
THIS SAFETY DATA SHEET WAS PREPARED IN ACCORDANCE WITH THE OFFICIAL MEXICAN STANDARD (NOM-018-STPS-2000).

-----16. OTHER INFORMATION -----

FURTHER INFORMATION:
HMIS(R*) IS A REGISTERED TRADE AND SERVICE MARK OF THE NPCA.

HMIS(R*) RATINGS:
HEALTH 3*

FLAMMABILITY 1
PHYSICAL HAZARD 0

NFPA RATINGS:
HEALTH 3
FLAMMABILITY 1
INSTABILITY 0

DISCLAIMER:
ALL INFORMATION IN THIS MATERIAL SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND RELIABLE. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND IS MADE WITH REGARD TO THE ACCURACY OF INFORMATION OR THE SUITABILITY OF THE RECOMMENDATIONS CONTAINED HEREIN. IT IS THE USER'S RESPONSIBILITY TO ASSESS THE SAFETY AND TOXICITY OF THIS PRODUCT UNDER THEIR OWN CONDITIONS OF USE AND TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS.

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CPH MSDS NA