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SDS

Common Name: EVAP-POW'R C**Manufacturer:** NU-CALCON WHOLESALER**SDS Revision Date:** 10/28/2013**SDS Format:** GHS-US**Item Number(s):** 1AN13, 1AN14**Manufacturer Model Number(s):**

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NU-CALCON

SAFETY DATA SHEET

ISSUE DATE: 23-OCT-2013

REVISION DATE: 28-OCT-2013

VERSION: 1

1. IDENTIFICATION



PRODUCT IDENTIFIER:

PRODUCT NAME: EVAP-POW'R C

OTHER MEANS OF IDENTIFICATION:

PART NUMBER: 4168-01, 4168-05, 4168-08.

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: COIL CLEANER/DEGREASER. FOR PROFESSIONAL USE ONLY.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

SUPPLIER ADDRESS:

NU-CALCON
2008 ALTON COURT
ST. LOUIS, MO 63146

WWW.NUCALCON.COM

EMERGENCY TELEPHONE NUMBER:

COMPANY PHONE NUMBER:

(314) 469-7000
(800) 554-5499

EMERGENCY TELEPHONE (24 HR):

CHEMTREC: 1-800-424-9300

2. HAZARDS IDENTIFICATION

APPEARANCE: CLEAR GREEN LIQUID

PHYSICAL STATE: LIQUID

ODOR: SOLVENT

CLASSIFICATION:

SKIN CORROSION/IRRITATION: CATEGORY 2

SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 2

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

CAUSES SKIN IRRITATION

CAUSES SERIOUS EYE IRRITATION

EXCLAMATION MARK

PRECAUTIONARY STATEMENTS - PREVENTION:

WASH FACE, HANDS AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION

PRECAUTIONARY STATEMENTS - RESPONSE:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF
PRESENT AND EASY TO DO. CONTINUE RINSING

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION

TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO	WEIGHT-%
2-BUTOXYETHANOL	111-76-2	5-15

SODIUM XYLENESULFONATE 1300-72-7 <5

TETRASODIUM EDTA 64-02-8 <5

IF CHEMICAL NAME/CAS NO IS "PROPRIETARY" AND/OR WEIGHT-% IS LISTED AS A RANGE, THE SPECIFIC CHEMICAL IDENTITY AND/OR PERCENTAGE OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET.

4. FIRST-AID MEASURES



FIRST AID MEASURES:

EYE CONTACT:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

SKIN CONTACT:

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

IF SKIN IRRITATION OCCURS:

GET MEDICAL ADVICE/ ATTENTION. TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE.

INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF NECESSARY.

INGESTION:

IF SWALLOWED: RINSE MOUTH. GET MEDICAL ATTENTION IF NECESSARY.

MOST IMPORTANT SYMPTOMS AND EFFECTS:

SYMPTOMS: CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTES TO PHYSICIAN: TREAT SYMPTOMATICALLY.

5. FIRE-FIGHTING MEASURES



SUITABLE EXTINGUISHING MEDIA:

USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT.

UNSUITABLE EXTINGUISHING MEDIA: NOT DETERMINED.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE KNOWN.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.

ENVIRONMENTAL PRECAUTIONS:

PREVENT FROM ENTERING INTO SOIL, DITCHES, SEWERS, WATERWAYS AND/OR GROUNDWATER. SEE SECTION 12, ECOLOGICAL INFORMATION. SEE SECTION 13:

DISPOSAL CONSIDERATIONS:**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:****METHODS FOR CONTAINMENT:**

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

METHODS FOR CLEAN-UP: KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

7. HANDLING AND STORAGE

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PRECAUTIONS FOR SAFE HANDLING:**ADVICE ON SAFE HANDLING:**

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. WASH FACE, HANDS, AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**STORAGE CONDITIONS:**

KEEP CONTAINER TIGHTLY CLOSED AND STORE IN A COOL, DRY AND WELL-VENTILATED PLACE. KEEP OUT OF THE REACH OF CHILDREN.

INCOMPATIBLE MATERIALS:

ACIDS. OXIDIZING AGENTS. BLEACH. DO NOT MIX WITH OTHER CHEMICALS OR CLEANERS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-BUTOXYETHANOL 111-76-2	TWA: 20 PPM	TWA: 50 PPM TWA: 240 MG/M3 (VACATED) TWA: 25 PPM (VACATED) TWA: 120 MG/M3 (VACATED) S* S*	IDLH: 700 PPM TWA: 5 PPM TWA: 24 MG/M3

APPROPRIATE ENGINEERING CONTROLS:**ENGINEERING CONTROLS:**

APPLY TECHNICAL MEASURES TO COMPLY WITH THE OCCUPATIONAL EXPOSURE LIMITS. EYEWASH STATIONS. SHOWERS.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:**EYE/FACE PROTECTION:**

WEAR APPROVED SAFETY GOGGLES WHERE A SPLASH HAZARD EXISTS.

SKIN AND BODY PROTECTION: WEAR SUITABLE PROTECTIVE CLOTHING.

RESPIRATORY PROTECTION:

ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. IN CASE OF INADEQUATE VENTILATION WEAR RESPIRATORY PROTECTION.

GENERAL HYGIENE CONSIDERATIONS:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: LIQUID

APPEARANCE: CLEAR GREEN LIQUID

ODOR: SOLVENT

COLOR: GREEN

ODOR THRESHOLD: NOT DETERMINED

PROPERTY	VALUES	REMARKS - METHOD
PH	7.90 (CONCENTRATE)	
MELTING POINT/FREEZING POINT	NOT DETERMINED	
BOILING POINT/BOILING RANGE	100 DEG. C / 212 DEG. F	IBP
FLASH POINT	NONE TO BOILING	TAG CLOSED CUP
EVAPORATION RATE	EQUAL TO WATER	
FLAMMABILITY (SOLID, GAS)	LIQUID-NOT APPLICABLE	
UPPER FLAMMABILITY LIMITS	NOT DETERMINED	
LOWER FLAMMABILITY LIMIT	NOT DETERMINED	
VAPOR PRESSURE	NOT DETERMINED	
VAPOR DENSITY	NOT DETERMINED	
SPECIFIC GRAVITY	1.01	
WATER SOLUBILITY	SOLUBLE IN WATER	
SOLUBILITY IN OTHER SOLVENTS	NOT DETERMINED	
PARTITION COEFFICIENT	NOT DETERMINED	
AUTO-IGNITION TEMPERATURE	NOT DETERMINED	
DECOMPOSITION TEMPERATURE	NOT DETERMINED	
KINEMATIC VISCOSITY	NOT DETERMINED	
DYNAMIC VISCOSITY	WATER THIN (<5 CPS)	
EXPLOSIVE PROPERTIES	NOT DETERMINED	
OXIDIZING PROPERTIES	NOT DETERMINED	
VOC CONTENT (%)	5.18	
DENSITY	8.38 LB/GAL	

10. STABILITY AND REACTIVITY

REACTIVITY: NOT REACTIVE UNDER NORMAL CONDITIONS.

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

CONDITIONS TO AVOID: KEEP OUT OF REACH OF CHILDREN.

INCOMPATIBLE MATERIALS:

ACIDS, OXIDIZING AGENTS, BLEACH. DO NOT MIX WITH OTHER CHEMICALS OR CLEANERS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN BASED ON INFORMATION SUPPLIED.

11. TOXICOLOGICAL INFORMATION



INFORMATION ON LIKELY ROUTES OF EXPOSURE:

PRODUCT INFORMATION:

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION.

SKIN CONTACT: CAUSES SKIN IRRITATION.

INHALATION: AVOID BREATHING VAPORS OR MISTS.

INGESTION: DO NOT TASTE OR SWALLOW.

COMPONENT INFORMATION:

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
WATER 7732-18-5	>90 ML/KG (RAT)		
2-BUTOXYETHANOL 111-76-2	=470 MG/KG (RAT)	=2270 MG/KG (RAT)	=2.21 MG/L (RAT) 4 H
		=220 MG/KG (RABBIT)	=450 PPM (RAT) 4 H
SODIUM XYLENESULFONATE 1300-72-7	=7200 MG/KG (RAT)		
TETRASODIUM EDTA 64-02-8	=10 G/KG (RAT)		

INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS:

SYMPTOMS: PLEASE SEE SECTION 4 OF THIS SDS FOR SYMPTOMS.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

CARCINOGENICITY:

THE TABLE BELOW INDICATES WHETHER EACH AGENCY HAS LISTED ANY INGREDIENT AS A CARCINOGEN. HOWEVER, THE PRODUCT AS A WHOLE HAS NOT BEEN TESTED. GROUP 3 IARC COMPONENTS ARE "NOT CLASSIFIABLE AS HUMAN CARCINOGENS".

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
2-BUTOXYETHANOL 111-76-2	A3	GROUP 3		

ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS):

A3 - ANIMAL CARCINOGEN

IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER):
GROUP 3 IARC COMPONENTS ARE "NOT CLASSIFIABLE AS HUMAN CARCINOGENS"

NUMERICAL MEASURES OF TOXICITY: NOT DETERMINED

12. ECOLOGICAL INFORMATION



ECOTOXICITY:

THE PRODUCT IS NOT CLASSIFIED AS ENVIRONMENTALLY HAZARDOUS. HOWEVER, THIS DOES NOT EXCLUDE THE POSSIBILITY THAT LARGE OR FREQUENT SPILLS CAN HAVE A HARMFUL OR DAMAGING EFFECT ON THE ENVIRONMENT.

COMPONENT INFORMATION:

CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH
2-BUTOXYETHANOL 111-76-2		1490: 96 H LEPOMIS MACROCHIRUS MG/L LC50 STATIC 2900: 96 H LEPOMIS MACROCHIRUS MG/L LC50 EC50
TETRASODIUM EDTA 64-02-8	1.01: 72 H DESMODESMUS SUBSPICATUS MG/L EC50	41: 96 H LEPOMIS MACROCHIRUS MG/L LC50 STATIC 59.8: 96 H PIMEPHALES PROMELAS MG/L LC50 STATIC

CHEMICAL NAME	TOXICITY TO MICROORGANISMS	CRUSTACEA
2-BUTOXYETHANOL		1698 - 1940: 24 H DAPHNIA MAGNA MG/L EC50 1000: 48 H DAPHNIA MAGNA MG/L EC50
TETRASODIUM EDTA		610: 24 H DAPHNIA MAGNA MG/L EC50

PERSISTENCE/DEGRADABILITY: NOT DETERMINED.

BIOACCUMULATION: NOT DETERMINED.

MOBILITY:

CHEMICAL NAME	PARTITION COEFFICIENT
2-BUTOXYETHANOL 111-76-2	0.81

OTHER ADVERSE EFFECTS: NOT DETERMINED

13. DISPOSAL CONSIDERATIONS



WASTE TREATMENT METHODS:**DISPOSAL OF WASTES:**

DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE REGIONAL, NATIONAL AND LOCAL LAWS AND REGULATIONS.

CONTAMINATED PACKAGING:

DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE REGIONAL, NATIONAL AND LOCAL LAWS AND REGULATIONS.

14. TRANSPORT INFORMATION

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NOTE:

PLEASE SEE CURRENT SHIPPING PAPER FOR MOST UP TO DATE SHIPPING INFORMATION, INCLUDING EXEMPTIONS AND SPECIAL CIRCUMSTANCES.

DOT: NOT REGULATED

IATA: NOT REGULATED

IMDG: NOT REGULATED

15. REGULATORY INFORMATION

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INTERNATIONAL INVENTORIES: NOT DETERMINED

LEGEND:

TSCA: UNITED STATES TOXIC SUBSTANCES CONTROL ACT SECTION 8(B) INVENTORY

DSL/NDSL: CANADIAN DOMESTIC SUBSTANCES LIST/NON-DOMESTIC SUBSTANCES LIST

EINECS/ELINCS:

EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES/EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES

ENCS: JAPAN EXISTING AND NEW CHEMICAL SUBSTANCES

IECSC: CHINA INVENTORY OF EXISTING CHEMICAL SUBSTANCES

KECL: KOREAN EXISTING AND EVALUATED CHEMICAL SUBSTANCES

PICCS: PHILIPPINES INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES

US FEDERAL REGULATIONS:**CERCLA:**

THIS MATERIAL, AS SUPPLIED, DOES NOT CONTAIN ANY SUBSTANCES REGULATED AS HAZARDOUS SUBSTANCES UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) (40 CFR 302) OR THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) (40 CFR 355).

SARA 313:

SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). THIS PRODUCT CONTAINS A CHEMICAL OR CHEMICALS WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF THE ACT AND TITLE 40 OF THE CODE OF FEDERAL REGULATIONS, PART 372.

CHEMICAL NAME	CAS NO	WEIGHT-%	SARA 313 - THRESHOLD VALUES %
2-BUTOXYETHANOL -	111-76-2	5-15	1.0

111-76-2

CWA (CLEAN WATER ACT):

THIS PRODUCT DOES NOT CONTAIN ANY SUBSTANCES REGULATED AS POLLUTANTS
PURSUANT TO THE CLEAN WATER ACT (40 CFR 122.21 AND 40 CFR 122.42)

US STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

THIS PRODUCT DOES NOT CONTAIN ANY PROPOSITION 65 CHEMICALS.

U.S. STATE RIGHT-TO-KNOW REGULATIONS:

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
2-BUTOXYETHANOL	X	X	X

111-76-2

16. OTHER INFORMATION

NFPA:

HEALTH HAZARDS 1
FLAMMABILITY 0
INSTABILITY 0
SPECIAL HAZARDS NONE

HMIS:

HEALTH HAZARDS 1*
FLAMMABILITY 0
PHYSICAL HAZARDS 0
PERSONAL PROTECTION 5

CHRONIC HAZARD STAR LEGEND:

* = CHRONIC HEALTH HAZARD

ISSUE DATE: 23-OCT-2013

REVISION DATE: 28-OCT-2013

REVISION NOTE: NEW FORMAT

DISCLAIMER:

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST
OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION.
THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING,
USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT
TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION
RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR
SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY
PROCESS, UNLESS SPECIFIED IN THE TEXT.

NUC-1620 - EVAP-POW'R