MATERIAL SAFETY DATA SHEET

SECTION 1- MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer's Name:    Chemtrec Emergency Tel.# 800-424-9300
Jeen International Corp.    *Chemtrec International Emergency Tel.# 703-527-3887
24 Madison Road     *Collect Calls Accepted.
Fairfield, NJ 07004
Telephone No.: (973) 439-1401

Product Name:    JEETOX C-2
Chemical Name:                      COCO AMINE POE-2(PEG 2 COCAMINE)
CAS#:                                       68439-72-5
Hazard Ratings:     Health (2) Fire (1) Reactivity (0) Other -
Hazard Rating Method:    HMIS

SECTION 2- PRECAUTIONARY STATEMENT

DANGER!  CORROSIVE.  CAUSES SKIN AND EYE BURNS.  AVOID CONTACT WITH SKIN, EYES AND
CLOTHING.  WEAR SAFETY GOGGLES, PROTECTIVE GLOVES AND IMPERVIOUS CLOTHING.  WASH
THOROUGHLY AFTER HANDLING.

SECTION 3- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:    >383 f  FLASH METHOD:  SETA
EXTINGUISHING MEDIA:   DRY CHEMICAL, WATER FOG, REGULAR FOAM
SPECIAL PROCEDURES:   USE EQUIPMENT SUITABLE FOR ORDINARY COMBUSTIBLE
MATERIAL.      PRODUCTS OF COMBUSTION MAY INCLUDE
NITROGEN COMPOUNDS.
EXPLOSION HAZARDS:   NONE KNOWN
UPPER EXPLOSION LIMIT:  UNAVAILABLE -SENSITIVITY/SPARKS:
LOWER EXPLOSION LIMIT:  UNAVAILABLE - SENSITIVITY/STATIC ELEC:
AUTO IGNITION TEMP:   UNAVAILABLE

SECTION 4- PHYSICAL PROPERTIES

APPEARANCE:     CLEAR LIQUID
ODOR THRESHOLD (PPM):   UNAVAILABLE
SPECIFIC GRAVITY  0.99
VAPOR PRESSURE (mm/Hg):   UNAVAILABLE
VAPOR DENSITY (Air=1):   UNAVAILABLE
INIT BOILING PT (mm/Hg):   <425oF @ 7
EVAPORATION RATE:(ETHYL ETHER=1):  >1
SOLUBILITY IN WATER:   INSOLUBLE
BULK DENSITY: NOT APPLICABLE
VOLATILE %:  <1%
PH:    9-11
pH METHOD:   10% IN IPA/H2O

SECTION 5- FIRST AID PROCEDURES

SKIN:  CAN CAUSE SEVERE IRRITATION, EVEN BURNS, ON PROLONGED CONTACT.
EYES: CAUSES BURNS.
 SECTION 5- FIRST AID PROCEDURES CONTINUED

**BREATHEING:** VAPOR, ESPECIALLY UPON HEATING, CAN CAUSE SEVERE IRRITATION OF RESPIRATORY TRACT.

**TOXICITY INFORMATION:**
- **D.O.T. SKIN IRRITATION:** CORROSIVE (7.25)
- **EYE IRRITATION:** SEVERELY IRRITATING
- **EYE IRRITATION SCORES:** >63.7, >62.7, >61.3 & >64.5 @ 24, 48, 72 HOURS & 7 DAYS, RESPECTIVELY.
- **CARCINOGENICITY:** THIS PRODUCT (OR COMPONENTS, IF A MIXTURE) HAS NOT BEEN FOUND TO BE A CARCINOGEN OR POTENTIAL CARCINOGEN BY IARC; IS NOT LISTED IN THE NTP THIRD ANNUAL REPORT; NOR IS IT REGULATED BY OSHA AS A CARCINOGEN

**BREATHEING:** IF AFFECTED, MOVE TO FRESH AIR. IF A BURNING SENSATION DEVELOPS IN THROAT OR CHEST, OR SHORTNESS OF BREATH OCCURS, GET IMMEDIATE MEDICAL ATTENTION.

**SKIN CONTACT:** IMMEDIATELY WASH EXPOSED AREA WITH SOAP AND WATER FOR AT LEAST 15 MINUTES, THEN FLUSH WITH WATER FOR AT LEAST 5 MINUTES. IF REDDENING PERSISTS, OR IF OPEN SCORES OF BLISTERS DEVELOP, SEE A PHYSICIAN. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE RE-USE.

**EYE CONTACT:** IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY. IF PHYSICIAN IS NOT IMMEDIATELY AVAILABLE, CONTINUE FLUSHING WITH WATER. DO NOT USE CHEMICAL ANTIDOTE.

**SWALLOWING:** IMMEDIATELY DRINK TWO LARGE GLASSES OF WATER. CALL A PHYSICIAN.

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**SECTION 6 - REACTIVITY INFORMATION**

**INCOMPATIBILITIES:** STRONG OXIDIZING AGENTS; STRONG ACIDS

**DECOMPOSITION:** NOT AVAILABLE

**HAZARDOUS POLYMERIZATION:** CANNOT OCCUR

**STABILITY:** STABLE

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**SECTION 7 UNINTENTIONAL RELEASE INFORMATION**

**SPILL AND LEAK PROCEDURE:** PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE AND DIKE AREA OF SPILL TO PREVENT SPREADING. PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE ABSORBED ON ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.

**WASTE DISPOSAL METHOD:** INCINERATION IS THE RECOMMENDED DISPOSAL METHOD FOR ALL CHEMICAL WASTES, ALTHOUGH MATERIAL MAY BE LANDFILLED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. THIS PRODUCT, IF DISPOSED OF, IS NOT CONSIDERED A HAZARDOUS WASTE UNDER CURRENT RCRA REGULATIONS.

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**SECTION 8 PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.

**SKIN PROTECTION:** WEAR PROTECTIVE GLOVES SUCH AS: NEOPREE OR BUNA-N.

**EYE PROTECTION:** CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS AND ADVISED

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SECTION 9-TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY
LD50 SPECIES: RAT
DOSE: 1,300 mg/kg

ACUTE DERMAL TOXICITY
LD50
CORROSIVE, PER DOT SKIN CORROSIVE TEST

SKIN IRRITATION
SPECIES: RABBIT
PRIMARY IRRITATION INDEX = 2.4
EXPOSURE TIME: 72H
THIS MATERIAL MAY CAUSE MODERATE
IRRITATION
TO THE SKIN.

EYE IRRITATION
SPECIES: RABBIT
PRIMARY IRRITATION SCORES = 27.0, 36.2, 39.3, @
24,48,AND 72 HOURS RESPECTIVELY. SEVERELY
IRRITATING

SECTION 10- STORAGE / HANDLING/ TRANSPORTATION

STORAGE:
KEEP IN CLOSE OR COVERED CONTAINERS WHEN NOT IN USE. STORE IN COOL, DRY PLACE WITH
ADEQUATE VENTILATION. DO NOT STORE NEAR HEAT OR OPEN FLAMES.

HANDLING:
EXERCISE CAUTION WHEN HANDLING CONTENTS OF THE CONTAINER. WASH WITH SOAP AND
WATER BEFORE EATING, DRINKING, SMOKING, OR USING THE TOILET FACILITIES. WHENEVER
POSSIBLE, USE MECHANICAL MEANS TO MOVE LARGE AND/ OR HEAVY OBJECT TO PREVENT BACK
INJURIES..

TRANSPORTATION DATA:
DOT- ALKYLAMINES NOS (ALKOYLTD FATTY AMINE). CLASS 8 CORROSIVE MATERIALS UN 27 35
PACKING GROUP III.

SECTION 11-ADDITIONAL INFORMATION

SARA REQUIRES SUBMISSION OF ANNUAL REPORTS OF RELEASE OF TOXIC CHEMICALS THAT
APPEAR IN 40 CFR 372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDS’S THAT ARE COPIES
AND DISTRIBUTED FOR THIS MATERIAL.

COMPONENTS PRESENT IN THE PRODUCT AT A LEVEL WHICH COULD REQUIRE REPORTING UNDER
THE STATUTE ARE:
NONE

IF THIS PRODUCT IS TO BE EXPORTED, IT IS SUBMITTED TO THE EXPORT NOTIFICATION
REQUIREMENTS OF TSCA, 12(B) (40 CFR PART 707 SUBPART D) BECAUSE OF THE PRESENCE OF THE
FOLLOWING:

COMPONENT  CAS NUMBER
OLEYLAMINE  112-90-3
### SECTION 14 – CONTROL MEASURES

<table>
<thead>
<tr>
<th>RESPIRATORY PROTECTION</th>
<th>NOT REQUIRED</th>
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<tbody>
<tr>
<td>VENTILATION</td>
<td>NO SPECIAL REQUIREMENTS</td>
</tr>
<tr>
<td>PROTECTIVE GLOVES</td>
<td>CHEMICAL RESISTANT RUBBER GLOVES</td>
</tr>
<tr>
<td>EYE PROTECTION</td>
<td>CHEMICAL GOGGLES</td>
</tr>
<tr>
<td>OTHER EQUIPMENT</td>
<td>EYE WASH AND SAFETY SHOWER IN THE WORK AREA.</td>
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### SECTION 11 - ADDITIONAL INFORMATION CONTINUED

| WORK / HYGIENIC PRACTICES     | AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THROUGHOUT AFTER HANDLING |

### SECTION 12 - REGULATORY STATUS

THIS PRODUCT DOES NOT CONTAIN MATERIAL REGULATED UNDER SARA TITLE III SECTION 313

### SECTION 13 – ECOLOGICAL INFORMATION

ECOLOGICAL NOTES: DO NOT ALLOW TO ENTER SOIL, WATERWAY OR WASTE WATER CANAL. THE PRODUCT IS CONSIDERED TO BE STRONG WATER POLLUTANT (GERMAN LAW)

### SECTION 16 - DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL AND DISPOSAL REQUIREMENTS IS INCINERATE IN AN AUTHORIZED AND PERMITTED THERMAL TREATMENT IN AUTHORIZED AND PERMITTED FACILITIES RECOMMENDED.

CONTAMINATED PACKAGING : IF EMPTY CONTAMINATED CONTAINERS ARE RECYCLED OR DISPOSED OF THE RECEIVER MUST BE INFORMED

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