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**S A F E T Y   D A T A   S H E E T**

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**SECTION 1.   CHEMICAL IDENTIFICATION**

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|                                 |   |
|---------------------------------|---|
| CATALOG #:                      | 250673  |
| NAME:                           | <i>N,N'</i> -Diisopropylethylamine  |
| SYNONYMS:                       | <i>N</i> -Ethyl-diisopropylamine<br>DIPEA                                 |
| 24 HOUR EMERGENCY<br>TELEPHONE: | Within USA/Canada: +1 800-633-8253<br>Outside USA/Canada: +1 801-629-0667 |
| TO REQUEST AN MSDS:             | +1 888-535-2444   |
| CUSTOMER<br>SERVICE:            | +1 888-535-2444   |

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**SECTION 2.   HAZARDS IDENTIFICATION**

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**CLASSIFICATION OF THE SUBSTANCE OR MIXTURE****GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)**

FLAMMABLE LIQUIDS (CATEGORY 2), H225

ACUTE TOXICITY, ORAL (CATEGORY 4), H302

SERIOUS EYE DAMAGE (CATEGORY 1), H318

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3),  
RESPIRATORY SYSTEM, H335

ACUTE AQUATIC TOXICITY (CATEGORY 3), H402

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE  
SECTION 16.**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS****PICTOGRAM****SIGNAL WORD**

DANGER

**HAZARD STATEMENT(S)**

|      |                                     |
|------|-------------------------------------|
| H225 | HIGHLY FLAMMABLE LIQUID AND VAPOUR. |
| H302 | HARMFUL IF SWALLOWED.               |
| H318 | CAUSES SERIOUS EYE DAMAGE.          |
| H331 | TOXIC IF INHALED.                   |

|      |                                   |
|------|-----------------------------------|
| H335 | MAY CAUSE RESPIRATORY IRRITATION. |
| H402 | HARMFUL TO AQUATIC LIFE.          |

**PRECAUTIONARY STATEMENT(S)**

|                           |   |
|---------------------------|---|
| P210                      | KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING.  |
| P233                      | KEEP CONTAINER TIGHTLY CLOSED.  |
| P240                      | GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.  |
| P241                      | USE EXPLOSION-PROOF ELECTRICAL/ VENTILATING/ LIGHTING/ EQUIPMENT.   |
| P242                      | USE ONLY NON-SPARKING TOOLS.  |
| P243                      | TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.   |
| P261                      | AVOID BREATHING DUST/ FUME/ GAS/ MIST/ VAPOURS/ SPRAY.  |
| P264                      | WASH SKIN THOROUGHLY AFTER HANDLING.  |
| P270                      | DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.   |
| P271                      | USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.   |
| P273                      | AVOID RELEASE TO THE ENVIRONMENT.   |
| P280                      | WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE PROTECTION.  |
| P301 + P312 + P330        | IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/ PHYSICIAN IF YOU FEEL UNWELL. RINSE MOUTH.  |
| P303 + P361 + P353        | IF ON SKIN (OR HAIR): REMOVE/ TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/ SHOWER.  |
| P304 + P340 + P311        | IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. CALL A POISON CENTER OR DOCTOR/ PHYSICIAN.   |
| P305 + P351 + P338 + P310 | IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN. |
| P370 + P378               | IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR ALCOHOL-RESISTANT FOAM FOR EXTINCTION.   |
| P403 + P233               | STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.  |
| P403 + P235               | STORE IN A WELL-VENTILATED PLACE. KEEP COOL.  |
| P405                      | STORE LOCKED UP.  |
| P501                      | DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.   |

|  |      |
|--|------|
| <b>HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS</b> | NONE |
|--|------|

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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|     |                                  |
|-----|----------------------------------|
| MF: | C <sub>8</sub> H <sub>19</sub> N |
|-----|----------------------------------|

|     |        |
|-----|--------|
| MW: | 129.25 |
|-----|--------|

CAS-NO. 7087-68-5

PURITY:  $\geq 99.7\%$  (GC)

| COMPONENT                    | CLASSIFICATION   | CONCENTRATION |
|------------------------------|--|---------------|
| <b>ETHYLDIISOPROPYLAMINE</b> |  |               |
|                              | FLAM. LIQ. 2; ACUTE TOX. 4;<br>ACUTE TOX. 3; EYE DAM. 1;<br>STOT SE 3; AQUATIC ACUTE 3;<br>H225, H302, H318, H331,<br>H335, H402 | $\leq 100\%$  |

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

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## SECTION 4. FIRST-AID MEASURES

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### DESCRIPTION OF FIRST AID MEASURES

|   |   |
|---|---|
| <b>GENERAL ADVICE</b>   | CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.MOVE OUT OF DANGEROUS AREA.                    |
| <b>IF INHALED</b>   | IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.             |
| <b>IN CASE OF SKIN CONTACT</b>  | WASH OFF WITH SOAP AND PLENTY OF WATER. TAKE VICTIM IMMEDIATELY TO HOSPITAL. CONSULT A PHYSICIAN.                           |
| <b>IN CASE OF EYE CONTACT</b>   | RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.                                      |
| <b>IF SWALLOWED</b>   | DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN. |
| <b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED</b>                | THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE SECTION 2.2) AND/OR IN SECTION 11         |
| <b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED</b> | NO DATA AVAILABLE   |

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## SECTION 5. FIRE AND EXPLOSION DATA

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### EXTINGUISHING MEDIA

|  |   |
|--|---|
| <b>SUITABLE<br/>EXTINGUISHING MEDIA</b>                              | USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY<br>CHEMICAL OR CARBON DIOXIDE. |
| <b>SPECIAL HAZARDS<br/>ARISING FROM THE<br/>SUBSTANCE OR MIXTURE</b> | NO DATA AVAILABLE   |
| <b>ADVICE FOR<br/>FIREFIGHTERS</b>                                   | WEAR SELF-CONTAINED BREATHING APPARATUS FOR<br>FIREFIGHTING IF NECESSARY.   |
| <b>FURTHER INFORMATION</b>   | USE WATER SPRAY TO COOL UNOPENED CONTAINERS.                                |

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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|  |   |
|--|---|
| <b>PERSONAL<br/>PRECAUTIONS,<br/>PROTECTIVE<br/>EQUIPMENT AND<br/>EMERGENCY<br/>PROCEDURES</b> | WEAR RESPIRATORY PROTECTION. AVOID BREATHING<br>VAPOURS, MIST OR GAS. ENSURE ADEQUATE<br>VENTILATION. REMOVE ALL SOURCES OF IGNITION.<br>EVACUATE PERSONNEL TO SAFE AREAS. BEWARE OF<br>VAPOURS ACCUMULATING TO FORM EXPLOSIVE<br>CONCENTRATIONS. VAPOURS CAN ACCUMULATE IN<br>LOW AREAS.<br>FOR PERSONAL PROTECTION SEE SECTION 8. |
| <b>ENVIRONMENTAL<br/>PRECAUTIONS</b>   | PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO<br>DO SO. DO NOT LET PRODUCT ENTER DRAINS.<br>DISCHARGE INTO THE ENVIRONMENT MUST BE<br>AVOIDED.   |
| <b>METHODS AND<br/>MATERIALS FOR<br/>CONTAINMENT AND<br/>CLEANING UP</b>                       | CONTAIN SPILLAGE, AND THEN COLLECT WITH AN<br>ELECTRICALLY PROTECTED VACUUM CLEANER OR BY<br>WET-BRUSHING AND PLACE IN CONTAINER FOR<br>DISPOSAL ACCORDING TO LOCAL REGULATIONS (SEE<br>SECTION 13).  |
| <b>REFERENCE TO OTHER<br/>SECTIONS</b>   | FOR DISPOSAL SEE SECTION 13.  |

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## **SECTION 7. HANDLING AND STORAGE**

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|  |  |
|--|--|
| <b>PRECAUTIONS FOR SAFE<br/>HANDLING</b> | AVOID CONTACT WITH SKIN AND EYES. AVOID<br>INHALATION OF VAPOUR OR MIST.<br>FLASH BACK POSSIBLE OVER CONSIDERABLE<br>DISTANCE. CONTAINER EXPLOSION MAY OCCUR UNDER<br>FIRE CONDITIONS. VAPOURS MAY FORM EXPLOSIVE<br>MIXTURE WITH AIR. USE EXPLOSION-PROOF<br>EQUIPMENT. KEEP AWAY FROM SOURCES OF IGNITION -<br>NO SMOKING. TAKE MEASURES TO PREVENT THE BUILD<br>UP OF ELECTROSTATIC CHARGE.<br>FOR PRECAUTIONS SEE SECTION 2.2. |
|--|--|

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

KEEP CONTAINERS TIGHTLY CLOSED IN A COOL, WELL-VENTILATED PLACE. KEEP AWAY FROM SOURCES OF IGNITION. STORE AND USE AWAY FROM HEAT, SPARKS, OPEN FLAME, OR ANY OTHER IGNITION SOURCE. STORE LOCKED UP. KEEP AWAY FROM INCOMPATIBLES. CONTAINERS WHICH ARE OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE. AVOID PROLONGED STORAGE PERIODS. STORE UNDER INERT GAS (E.G. ARGON).  
ACIDS, BASES, STORE AWAY FROM OXIDIZING AGENTS

**SPECIFIC END USE(S)**

APART FROM THE USES MENTIONED IN SECTION 1.2 NO OTHER SPECIFIC USES ARE STIPULATED

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**CONTROL PARAMETERS**

**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS**

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

**EXPOSURE CONTROLS**

**APPROPRIATE ENGINEERING CONTROLS**

AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYE/FACE PROTECTION**

TIGHTLY FITTING SAFETY GOGGLES. FACESHIELD (8-INCH MINIMUM). USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).

**SKIN PROTECTION**

HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE'S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS.

**FULL CONTACT**

MATERIAL: NITRILE RUBBER

MINIMUM LAYER THICKNESS: 0.11 MM

BREAK THROUGH TIME: 480 MIN

MATERIAL TESTED:DERMATRIL (KCL 740, SIZE M)

**SPLASH CONTACT**

MATERIAL: NITRILE RUBBER

MINIMUM LAYER THICKNESS: 0.11 MM

BREAK THROUGH TIME: 480 MIN

MATERIAL TESTED:DERMATRIL (KCL 740, SIZE M)

IF USED IN SOLUTION, OR MIXED WITH OTHER SUBSTANCES, AND UNDER CONDITIONS WHICH DIFFER FROM EN 374, CONTACT THE SUPPLIER OF THE CE APPROVED GLOVES. THIS RECOMMENDATION IS ADVISORY ONLY AND MUST BE EVALUATED BY AN INDUSTRIAL HYGIENIST AND SAFETY OFFICER FAMILIAR WITH THE SPECIFIC SITUATION OF ANTICIPATED USE BY OUR CUSTOMERS. IT SHOULD NOT BE CONSTRUED AS OFFERING AN APPROVAL FOR ANY SPECIFIC USE SCENARIO.

**BODY PROTECTION**

COMPLETE SUIT PROTECTING AGAINST CHEMICALS, FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING, THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE.

**RESPIRATORY PROTECTION**

WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULL-FACE RESPIRATOR WITH MULTI- PURPOSE COMBINATION (US) OR TYPE ABEK (EN 14387) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).

**CONTROL OF ENVIRONMENTAL EXPOSURE**

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

**INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

|  |  |
|--|--|
| APPEARANCE                                   | Clear colorless to pale yellow liquid                        |
| ODOUR  | STRONG, AMINE-LIKE   |
| ODOUR THRESHOLD                              | NO DATA AVAILABLE  |
| PH   | 12.3   |
| MELTING                                      | ~ -46 °C   |
| POINT/FREEZING POINT                         |  |
| INITIAL BOILING POINT                        | 127 °C   |
| AND BOILING RANGE                            |  |
| FLASH POINT                                  | 10 °C  |
| EVAPORATION RATE                             | NO DATA AVAILABLE  |
| FLAMMABILITY (SOLID, GAS)                    | NO DATA AVAILABLE  |
| UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS | UPPER EXPLOSION LIMIT: 17 %(V) LOWER EXPLOSION LIMIT: 3 %(V) |
| VAPOUR PRESSURE                              | 14.25 HPA (10.69 MMHG) AT 20 °C - OECD TEST GUIDELINE 104    |
| VAPOUR DENSITY                               | NO DATA AVAILABLE  |
| RELATIVE DENSITY                             | 0.74   |
| WATER SOLUBILITY                             | 4.01 G/L AT 20 °C - OECD TEST GUIDELINE 105                  |
| PARTITION COEFFICIENT: N- OCTANOL/WATER      | LOG POW: -1.799 AT 22.5 °C - OECD TEST GUIDELINE 107         |
| AUTO-IGNITION TEMPERATURE                    | NO DATA AVAILABLE  |
| DECOMPOSITION TEMPERATURE                    | NO DATA AVAILABLE  |
| VISCOSITY                                    | 0.88 MM <sup>2</sup> /S AT 20 °C                             |
| EXPLOSIVE PROPERTIES                         | NO DATA AVAILABLE  |
| OXIDIZING PROPERTIES                         | NO DATA AVAILABLE  |
| <b>OTHER SAFETY INFORMATION</b>              |  |
| SOLUBILITY IN OTHER SOLVENTS                 | ALCOHOLS, XYLENE   |

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**SECTION 10. STABILITY AND REACTIVITY**

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|                                    |  |
|------------------------------------|--|
| REACTIVITY                         | NO DATA AVAILABLE  |
| CHEMICAL STABILITY                 | STABLE UNDER RECOMMENDED STORAGE CONDITIONS.   |
| POSSIBILITY OF HAZARDOUS REACTIONS | VAPOURS MAY FORM EXPLOSIVE MIXTURE WITH AIR.   |
| CONDITIONS TO AVOID                | HEAT, FLAMES AND SPARKS.   |
| INCOMPATIBLE MATERIALS             | ACIDS, ACID CHLORIDES, ACID ANHYDRIDES, CARBON DIOXIDE (CO <sub>2</sub> ), COPPER, BRASS, RUBBEROXIDIZING AGENTS, NITRATES, PEROXIDES, WATER, METALS |

**HAZARDOUS  
DECOMPOSITION  
PRODUCTS**

OTHER DECOMPOSITION PRODUCTS - NO DATA  
AVAILABLE  
IN THE EVENT OF FIRE: SEE SECTION 5

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**SECTION 11. TOXICOLOGICAL INFORMATION**

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**INFORMATION ON TOXICOLOGICAL EFFECTS**

|   |   |
|---|---|
| <b>ACUTE TOXICITY</b>   | LD50 ORAL - RAT - 317 MG/KG<br>(OECD TEST GUIDELINE 423)<br>LC50 INHALATION - RAT - 4 H - 2.63 MG/L<br>(OECD TEST GUIDELINE 403)<br>REMARKS: IRRITATING TO RESPIRATORY SYSTEM.<br>LD0 DERMAL - RAT - > 2,000 MG/KG<br>(OECD TEST GUIDELINE 402)<br>REMARKS: NO ADVERSE EFFECT HAS BEEN OBSERVED<br>IN ACUTE TOXICITY TESTS. |
| <b>SKIN<br/>CORROSION/IRRITATION</b>                            | SKIN - RABBIT<br>RESULT: MILD SKIN IRRITATION<br>(OECD TEST GUIDELINE 404)  |
| <b>SERIOUS EYE<br/>DAMAGE/EYE IRRITATION</b>                    | EYES - IN VITRO STUDY<br>RESULT: SEVERE EYE IRRITATION<br>(OECD TEST GUIDELINE 437)   |
| <b>RESPIRATORY OR SKIN<br/>SENSITISATION</b>                    | GUINEA PIG<br>DOES NOT CAUSE SKIN SENSITISATION. (OECD TEST<br>GUIDELINE 406)   |
| <b>GERM CELL<br/>MUTAGENICITY</b>                               | NO DATA AVAILABLE   |
| <b>CARCINOGENICITY</b>  |   |
| IARC:   | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS<br>GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS<br>PROBABLE, POSSIBLE OR CONFIRMED HUMAN<br>CARCINOGEN BY IARC.  |
| ACGIH:  | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS<br>GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A<br>CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.  |
| NTP:  | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS<br>GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A<br>KNOWN OR ANTICIPATED CARCINOGEN BY NTP.   |
| OSHA:   | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS<br>GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A<br>CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.   |
| <b>REPRODUCTIVE TOXICITY</b>                                    | NO DATA AVAILABLE   |
| <b>SPECIFIC TARGET ORGAN<br/>TOXICITY - SINGLE<br/>EXPOSURE</b> | INHALATION - MAY CAUSE RESPIRATORY IRRITATION. -<br>RESPIRATORY TRACT   |



|   |   |
|---|---|
| <b>SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE</b> | NO DATA AVAILABLE   |
| <b>ASPIRATION HAZARD</b>                                  | NO DATA AVAILABLE   |
| <b>ADDITIONAL INFORMATION</b>                             | RTECS: NOT AVAILABLE<br>BURNING SENSATION, COUGH, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, SPASM, INFLAMMATION AND EDEMA OF THE LARYNX, SPASM, INFLAMMATION AND EDEMA OF THE BRONCHI, PNEUMONITIS, PULMONARY EDEMA, MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES, AND SKIN., TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. |

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## SECTION 12. ECOLOGICAL INFORMATION

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### TOXICITY

|   |   |
|---|---|
| TOXICITY TO FISH                                    | LC50 - DANIO RERIO (ZEBRA FISH) - > 69.7 MG/L - 96 H<br>(OECD TEST GUIDELINE 203)                   |
| TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES | EC50 - DAPHNIA MAGNA (WATER FLEA) - 28.1 MG/L - 48 H<br>(OECD TEST GUIDELINE 202)                   |
| TOXICITY TO ALGAE                                   | EC50 - PSEUDOKIRCHNERIELLA SUBCAPITATA (GREEN ALGAE) - 150 MG/L - 72 H<br>(OECD TEST GUIDELINE 201) |

### PERSISTENCE AND DEGRADABILITY

|                                    |   |
|------------------------------------|---|
| BIODEGRADABILITY                   | BIOTIC/AEROBIC - EXPOSURE TIME 28 D<br>RESULT: <= 10 % - NOT READILY BIODEGRADABLE.   |
| BIOACCUMULATIVE POTENTIAL          | NO BIOACCUMULATION IS TO BE EXPECTED (LOG POW <= 4).  |
| MOBILITY IN SOIL                   | NO DATA AVAILABLE   |
| RESULTS OF PBT AND VPVB ASSESSMENT | PBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED                                  |
| OTHER ADVERSE EFFECTS              | AN ENVIRONMENTAL HAZARD CANNOT BE EXCLUDED IN THE EVENT OF UNPROFESSIONAL HANDLING OR DISPOSAL.<br>HARMFUL TO AQUATIC LIFE. |

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## SECTION 13. DISPOSAL CONSIDERATIONS

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## WASTE TREATMENT METHODS

### PRODUCT

RECYCLE TO PROCESS IF POSSIBLE. IT IS THE GENERATOR'S RESPONSIBILITY TO COMPLY WITH FEDERAL, STATE AND LOCAL RULES AND REGULATIONS. YOU MAY BE ABLE TO DISSOLVE OR MIX MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER SYSTEM. THIS SECTION IS INTENDED TO PROVIDE ASSISTANCE BUT DOES NOT REPLACE THESE LAWS, NOR DOES COMPLIANCE IN ACCORDANCE WITH THIS SECTION ENSURE REGULATORY COMPLIANCE ACCORDING TO THE LAW. US EPA GUIDELINES FOR IDENTIFICATION AND LISTING OF HAZARDOUS WASTE ARE LISTED IN 40 CFR PARTS 261. THE PRODUCT SHOULD NOT BE ALLOWED TO ENTER THE ENVIRONMENT, DRAINS, WATER WAYS, OR THE SOIL.

### CONTAMINATED PACKAGING

DISPOSE OF AS UNUSED PRODUCT.

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## SECTION 14. TRANSPORT INFORMATION

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### DOT (US)

PROPER SHIPPING NAME: AMINE, FLAMMABLE, CORROSIVE N.O.S.( *N,N'*-Diisopropylethylamine )  
UN NUMBER: 2733  
CLASS: 3 (8)  
PACKING GROUP: II

### IMDG

PROPER SHIPPING NAME: AMINE, FLAMMABLE, CORROSIVE N.O.S.( *N,N'*-Diisopropylethylamine )  
UN NUMBER: 2733  
CLASS: 3 (8)  
PACKING GROUP: II  
EMS-NO: F-E, S-C

### IATA

PROPER SHIPPING NAME: AMINE, FLAMMABLE, CORROSIVE N.O.S.( *N,N'*-Diisopropylethylamine )  
UN NUMBER: 2733  
CLASS: 3 (8)  
PACKING GROUP: II

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## SECTION 15. REGULATORY INFORMATION

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|   |  |               |
|---|--|---------------|
| <b>SARA 302 COMPONENTS</b>                    | NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302.  |               |
| <b>SARA 313 COMPONENTS</b>                    | THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL COMPONENTS WITH KNOWN CAS NUMBERS THAT EXCEED THE THRESHOLD (DEMINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313. |               |
| <b>MASSACHUSETTS RIGHT TO KNOW COMPONENTS</b> | NO COMPONENTS ARE SUBJECT TO THE MASSACHUSETTS RIGHT TO KNOW ACT.  |               |
| <b>PENNSYLVANIA RIGHT TO KNOW COMPONENTS</b>  |  |               |
|   | CAS-NO.  | REVISION DATE |
| <i>N,N'</i> -Diisopropylethylamine            | 7087-68-5  |               |
| <b>NEW JERSEY RIGHT TO KNOW COMPONENTS</b>    |  |               |
|   | CAS-NO.  | REVISION DATE |
| <i>N,N'</i> -Diisopropylethylamine            | 7087-68-5  |               |
| <b>CALIFORNIA PROP. 65 COMPONENTS</b>         | THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.   |               |

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## SECTION 16. OTHER INFORMATION

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### FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

|               |  |
|---------------|--|
| ACUTE TOX.    | ACUTE TOXICITY                                   |
| AQUATIC ACUTE | ACUTE AQUATIC TOXICITY                           |
| EYE DAM.      | SERIOUS EYE DAMAGE                               |
| FLAM. LIQ.    | FLAMMABLE LIQUIDS                                |
| H225          | HIGHLY FLAMMABLE LIQUID AND VAPOUR.              |
| H302          | HARMFUL IF SWALLOWED.                            |
| H318          | CAUSES SERIOUS EYE DAMAGE.                       |
| H331          | TOXIC IF INHALED.                                |
| H335          | MAY CAUSE RESPIRATORY IRRITATION.                |
| H402          | HARMFUL TO AQUATIC LIFE.                         |
| STOT SE       | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE |

### HMIS RATING

|                        |   |
|------------------------|---|
| HEALTH HAZARD:         | 3 |
| CHRONIC HEALTH HAZARD: |   |
| FLAMMABILITY:          | 3 |
| PHYSICAL HAZARD        | 0 |

### NFPA RATING

|                    |   |
|--------------------|---|
| HEALTH HAZARD:     | 3 |
| FIRE HAZARD:       | 3 |
| REACTIVITY HAZARD: | 0 |

MW: MOLECULAR WEIGHT  
MF: MOLECULAR FORMULA  
VOC: VOLATILE ORGANIC COMPOUNDS  
ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL  
HYGINISTS  
CAS: CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER  
OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION  
PEL: PERMISSIBLE EXPOSURE LIMIT (OSHA)  
TLV: THRESHOLD LIMIT VALUE (ACGIH)

IMPORTANT:

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