

Common Name: MISTY BIODET ND32 - LEMON

Manufacturer: AMREP

SDS Revision Date: 6/19/2015

SDS Format: GHS-US

Item Number(s): 22C654

Manufacturer Model Number(s):

SDS Table of Contents

Click the desired link below to jump directly to that section in the SDS.

[SECTION 1. PRODUCT AND COMPANY IDENTIFICATION](#)
[SECTION 2. HAZARDS IDENTIFICATION](#)
[SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS](#)
[SECTION 4. FIRST AID MEASURES](#)
[SECTION 5. FIREFIGHTING MEASURES](#)
[SECTION 6. ACCIDENTAL RELEASE MEASURES](#)
[SECTION 7. HANDLING AND STORAGE](#)
[SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION](#)
[SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES](#)
[SECTION 10. STABILITY AND REACTIVITY](#)
[SECTION 11. TOXICOLOGICAL INFORMATION](#)
[SECTION 12. ECOLOGICAL INFORMATION](#)
[SECTION 13. DISPOSAL CONSIDERATIONS](#)
[SECTION 14. TRANSPORT INFORMATION](#)
[SECTION 15. REGULATORY INFORMATION](#)
[SECTION 16. OTHER INFORMATION](#)

ZEP INC

SAFETY DATA SHEET

MISTY(R) BIODET ND32 - LEMON

VERSION: 1.0

REVISION DATE: 06/19/2015

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION



MATERIAL NAME: MISTY(R) BIODET ND32 - LEMON

EPA ID NUMBER: 47371-192-10807

MATERIAL NUMBER: 00000000001038806

MANUFACTURER OR SUPPLIER'S DETAILS:

COMPANY: AMREP, INC.

ADDRESS:
990 INDUSTRIAL PARK DRIVE
MARIETTA, GA 30062

TELEPHONE: 404-352-1680

EMERGENCY TELE PHONE NUMBERS:

FOR SDS INFORMATION:
COMPLIANCE SERVICES: 1-877-428-9937

FOR A MEDICAL EMERGENCY: 877-541-2016 TOLL FREE - ALL CALLS RECORDED

FOR A TRANSPORTATION EMERGENCY:

SECTION 2. HAZARDS IDENTIFICATION



EMERGENCY OVERVIEW:

APPEARANCE: LIQUID

COLOUR: CLEAR, YELLOW

ODOUR: CHARACTERISTIC

GHS CLASSIFICATION:

EYE IRRITATION: CATEGORY 2A

SKIN IRRITATION: CATEGORY 2

GHS LABEL ELEMENT:

HAZARD PICTOGRAMS: EXCLAMATION MARK

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

H319: CAUSES SERIOUS EYE IRRITATION.

H315: CAUSES SKIN IRRITATION.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P280: WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE PROTECTION.

P264: WASH HANDS THOROUGHLY AFTER HANDLING.

RESPONSE:

P302 + P352:

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

P362: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

P363: WASH CONTAMINATED CLOTHING BEFORE REUSE.

P332 + P313:

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ ATTENTION.

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.

P337 + P313:

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ ATTENTION.

POTENTIAL HEALTH EFFECTS:

CARCINOGENICITY:

IARC:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.

ACGIH:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.

OSHA:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.

NTP:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



SUBSTANCE / MIXTURE: MIXTURE

HAZARDOUS COMPONENTS:

CHEMICAL NAME	CAS-NO.	CONCENTRATION [%]
DIDECYLDIMETHYLAMMONIUM CHLORIDE	7173-51-5	>=1 - <5

SECTION 4. FIRST AID MEASURES



GENERAL ADVICE: DO NOT LEAVE THE VICTIM UNATTENDED.

IF INHALED:

IF UNCONSCIOUS PLACE IN RECOVERY POSITION AND SEEK MEDICAL ADVICE.
IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

IN CASE OF SKIN CONTACT:

IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN.
WASH OFF IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
IF ON CLOTHES, REMOVE CLOTHES.
WASH CONTAMINATED CLOTHING BEFORE RE-USE.

IN CASE OF EYE CONTACT:

REMOVE CONTACT LENSES.

PROTECT UNHARMED EYE.

KEEP EYE WIDE OPEN WHILE RINSING.

IF EYE IRRITATION PERSISTS, CONSULT A SPECIALIST.

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

IF SWALLOWED:

KEEP RESPIRATORY TRACT CLEAR.

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY A PHYSICIAN OR POISON CONTROL CENTER.

SECTION 5. FIREFIGHTING MEASURES



SUITABLE EXTINGUISHING MEDIA:

WATER SPRAY JET
ALCOHOL-RESISTANT FOAM
CARBON DIOXIDE (CO₂)
DRY CHEMICAL

UNSUITABLE EXTINGUISHING MEDIA: HIGH VOLUME WATER JET

SPECIFIC HAZARDS DURING FIREFIGHTING:

DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES.

HAZARDOUS COMBUSTION PRODUCTS: NO HAZARDOUS COMBUSTION PRODUCTS ARE KNOWN

SPECIFIC EXTINGUISHING METHODS:

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

FURTHER INFORMATION:

STANDARD PROCEDURE FOR CHEMICAL FIRES.

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

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

WEAR SELF-CONTAINED BREATHING APPARATUS FOR FIREFIGHTING IF NECESSARY.

SECTION 6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

USE PERSONAL PROTECTIVE EQUIPMENT.

ENVIRONMENTAL PRECAUTIONS:

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

PREVENT PRODUCT FROM ENTERING DRAINS.

IF THE PRODUCT CONTAMINATES RIVERS AND LAKES OR DRAINS INFORM RESPECTIVE AUTHORITIES.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

WIPE UP WITH ABSORBENT MATERIAL (E.G. CLOTH, FLEECE).

KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

SECTION 7. HANDLING AND STORAGE



ADVICE ON SAFE HANDLING:

AVOID CONTACT WITH SKIN AND EYES.

FOR PERSONAL PROTECTION SEE SECTION 8.

SMOKING, EATING AND DRINKING SHOULD BE PROHIBITED IN THE APPLICATION AREA.

DISPOSE OF RINSE WATER IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS.

CONDITIONS FOR SAFE STORAGE:

KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

ELECTRICAL INSTALLATIONS / WORKING MATERIALS MUST COMPLY WITH THE TECHNOLOGICAL SAFETY STANDARDS.

MATERIALS TO AVOID: NO MATERIALS TO BE ESPECIALLY MENTIONED.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:

IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

HAND PROTECTION:

REMARKS:

THE SUITABILITY FOR A SPECIFIC WORKPLACE SHOULD BE DISCUSSED WITH THE PRODUCERS OF THE PROTECTIVE GLOVES.

EYE PROTECTION:

SAFETY GLASSES

ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE CLOSE TO THE WORKSTATION LOCATION.

SKIN AND BODY PROTECTION:

IMPERVIOUS CLOTHING

CHOOSE BODY PROTECTION ACCORDING TO THE AMOUNT AND CONCENTRATION OF THE DANGEROUS SUBSTANCE AT THE WORK PLACE.

HYGIENE MEASURES:

WHEN USING DO NOT EAT OR DRINK.

WHEN USING DO NOT SMOKE.

WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE: LIQUID

COLOUR: CLEAR, YELLOW

ODOUR: CHARACTERISTIC

ODOUR THRESHOLD: NO DATA AVAILABLE

PH: 7.2 - 8.2

MELTING POINT/FREEZING POINT: NO DATA AVAILABLE

BOILING POINT: NO DATA AVAILABLE

FLASH POINT: NOT APPLICABLE

EVAPORATION RATE: NO DATA AVAILABLE

UPPER EXPLOSION LIMIT: NO DATA AVAILABLE

LOWER EXPLOSION LIMIT: NO DATA AVAILABLE

VAPOUR PRESSURE: NO DATA AVAILABLE

RELATIVE VAPOUR DENSITY: NO DATA AVAILABLE

DENSITY: 1 G/CM3

SOLUBILITY (IES) :

WATER SOLUBILITY: SOLUBLE

SOLUBILITY IN OTHER SOLVENTS: NOT DETERMINED

PARTITION COEFFICIENT N-OCTANOL/WATER: NO DATA AVAILABLE

AUTO-IGNITION TEMPERATURE: NOT DETERMINED

THERMAL DECOMPOSITION: NO DATA AVAILABLE

VISCOSITY:

VISCOSITY, KINEMATIC: NO DATA AVAILABLE

SECTION 10. STABILITY AND REACTIVITY



REACTIVITY: STABLE

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS:
NO DECOMPOSITION IF STORED AND APPLIED AS DIRECTED.

CONDITIONS TO AVOID: NO DATA AVAILABLE

INCOMPATIBLE MATERIALS: NO DATA AVAILABLE

HAZARDOUS DECOMPOSITION PRODUCTS:
NO DECOMPOSITION IF STORED AND APPLIED AS DIRECTED.

SECTION 11. TOXICOLOGICAL INFORMATION



ACUTE TOXICITY:

PRODUCT:

ACUTE ORAL TOXICITY:
ACUTE TOXICITY ESTIMATE: >5,000 MG/KG
METHOD: CALCULATION METHOD

SKIN CORROSION/IRRITATION:

PRODUCT:
REMARKS: IRRITATING TO SKIN.

SERIOUS EYE DAMAGE/EYE IRRITATION:
PRODUCT:
REMARKS: IRRITATING TO EYES.

RESPIRATORY OR SKIN SENSITISATION: NO DATA AVAILABLE

GERM CELL MUTAGENICITY: NO DATA AVAILABLE

CARCINOGENICITY: NO DATA AVAILABLE

REPRODUCTIVE TOXICITY: NO DATA AVAILABLE

DIDECYLDIMETHYLAMMONIUM CHLORIDE:

STOT - SINGLE EXPOSURE: NO DATA AVAILABLE

STOT - REPEATED EXPOSURE: NO DATA AVAILABLE

ASPIRATION TOXICITY: NO DATA AVAILABLE

FURTHER INFORMATION:

PRODUCT:

REMARKS: NO DATA AVAILABLE

SECTION 12. ECOLOGICAL INFORMATION



ECOTOXICITY: NO DATA AVAILABLE

PERSISTENCE AND DEGRADABILITY: NO DATA AVAILABLE

BIOACCUMULATIVE POTENTIAL:

PRODUCT:

PARTITION COEFFICIENT N-OCTANOL/WATER:

REMARKS: NO DATA AVAILABLE

MOBILITY IN SOIL: NO DATA AVAILABLE

OTHER ADVERSE EFFECTS: NO DATA AVAILABLE

PRODUCT:

REGULATION:

40 CFR PROTECTION OF ENVIRONMENT; PART 82 PROTECTION OF STRATOSPHERIC OZONE - CAA SECTION 602 CLASS I SUBSTANCES

REMARKS:

THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I OR CLASS II ODS AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 602 (40 CFR 82, SUBPT. A, APP.A + B).

ADDITIONAL ECOLOGICAL INFORMATION: NO DATA AVAILABLE

SECTION 13. DISPOSAL CONSIDERATIONS



DISPOSAL METHODS:

WASTE FROM RESIDUES:

DO NOT DISPOSE OF WASTE INTO SEWER.

DO NOT CONTAMINATE PONDS, WATERWAYS OR DITCHES WITH CHEMICAL OR USED CONTAINER.

DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.

CONTAMINATED PACKAGING:

EMPTY REMAINING CONTENTS.

DISPOSE OF AS UNUSED PRODUCT.

DO NOT RE-USE EMPTY CONTAINERS.

SECTION 14. TRANSPORT INFORMATION



TRANSPORTATION REGULATION:

49 CFR (USA): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:

IMDG (VESSEL): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:

IATA (CARGO AIR): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:

IATA (PASSENGER AIR): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:
TDG (CANADA): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

SECTION 15. REGULATORY INFORMATION



THIS PRODUCT IS REGULATED UNDER THE UNITED STATES FEDERAL INSECTICIDE, FUNGICIDE AND RODENTICIDE ACT (FIFRA).

PESTICIDE LABELING INFORMATION REQUIRED UNDER U.S. FIFRA REGULATIONS:
THIS CHEMICAL IS A PESTICIDE PRODUCT REGISTERED BY THE ENVIRONMENTAL PROTECTION AGENCY AND IS SUBJECT TO CERTAIN LABELING REQUIREMENTS UNDER FEDERAL PESTICIDE LAW. THESE REQUIREMENTS DIFFER FROM THE CLASSIFICATION CRITERIA AND HAZARD INFORMATION REQUIRED FOR SAFETY DATA SHEETS, AND FOR WORKPLACE LABELS OF NON-PESTICIDE CHEMICALS. FOLLOWING IS THE HAZARD INFORMATION AS REQUIRED ON THE PESTICIDE LABEL:

DANGER:
CORROSIVE - CAUSES IRREVERSIBLE EYE DAMAGE.
HARMFUL IF INHALED.
OBSERVE LABEL PRECAUTIONS.

EPCRA - EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT:

CERCLA REPORTABLE QUANTITY:
THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A CERCLA RQ.

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY:
THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 304 EHS RQ.

SARA 311/312 HAZARDS: ACUTE

SARA 302:
SARA 302:
NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302.

SARA 313:
SARA 313:
THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL COMPONENTS WITH KNOWN CAS NUMBERS THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313.

CALIFORNIA PROP 65:
THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

THE COMPONENTS OF THIS PRODUCT ARE REPORTED IN THE FOLLOWING INVENTORIES:

TSCA: ON TSCA INVENTORY

DSL:
THIS PRODUCT CONTAINS ONE OR SEVERAL COMPONENTS THAT ARE NOT ON THE CANADIAN DSL NOR NDSL.

AICS: NOT IN COMPLIANCE WITH THE INVENTORY

NZIOC: NOT IN COMPLIANCE WITH THE INVENTORY

PICCS: NOT IN COMPLIANCE WITH THE INVENTORY

IECSC: NOT IN COMPLIANCE WITH THE INVENTORY

INVENTORY ACRONYM AND VALIDITY AREA LEGEND:
AICS (AUSTRALIA), DSL (CANADA), IECSC (CHINA), REACH (EUROPEAN UNION), ENCS (JAPAN), ISHL (JAPAN), KECI (KOREA), NZIOC (NEW ZEALAND), PICCS (PHILIPPINES), TSCA (USA)

SECTION 16. OTHER INFORMATION



FURTHER INFORMATION:

NFFPA:
HEALTH 2
FLAMMABILITY 0
INSTABILITY 0
SPECIAL HAZARD.

HMIS III:
HEALTH 2
FLAMMABILITY 0
PHYSICAL HAZARD 0

0 = NOT SIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = EXTREME
* = CHRONIC

OSHA GHS LABEL INFORMATION:

HAZARD PICTOGRAMS: EXCLAMATION MARK

SIGNAL WORD:

WARNING:

HAZARD STATEMENTS: CAUSES SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION.

PRECAUTIONARY STATEMENTS:

PREVENTION:

WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE PROTECTION. WASH HANDS THOROUGHLY AFTER HANDLING.

RESPONSE:

IF ON SKIN:

WASH WITH PLENTY OF SOAP AND WATER. TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE. WASH CONTAMINATED CLOTHING BEFORE REUSE.

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ ATTENTION.

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.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ ATTENTION.

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