

MASTER SAFETY DATA SHEET

MANUFACTURER:

FORM #115

ORIOR RESEARCH INCORPORATED
THE SCHRAFFT CENTER
529 MAIN STREET
BOSTON, MA 02129

PHONE: (617)242-3900

VENDOR # 03817
CAT # 34185-177

SECTION I

IDENTITY: AMMONIA PH-ADJUSTING ISA
CATALOG NO. 951221
EFFECTIVE DATE: 4/29/91
HAZARDOUS LABELLING: (DOT) SODIUM HYDROXIDE SOLUTION -
U.N. NO. 1824 - CORROSIVE

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HARZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTY: COMMON NAMES)

COMPONENT: SODIUM HYDROXIDE (NAOH)
CAS NO.: 1310-73-2
% : 20
OSHA PEL: 2MG/M3
ACGIH TLV: C2MG/M3
LD (50MG/KG): 500 (ORL-R8T)

COMPONENT: METHANOL (CH3OH)
CAS NO.: 67-56-1
% : 10
OSHA PEL: 200 PPM
ACGIH TLV: 200 PPM
LD (50MG/KG): 340 (ORL-HMN)

COMPONENT: DISODIUM EDTA (NA2C10H14O8N2)
CAS NO.: 6381-92-6
% : 1.8
OSHA PEL: NONE
ACGIH TLV: NONE
LD (50MG/KG): 200 (ORL-RAT) (LD 50)

COMPONENT: THYMOLPTHALEIN (C28H30O4)
CAS NO.: 125-20-2
% : 1.0
OSHA PEL: NONE
ACGIH TLV: NONE

LD (50MG/KG): NOT FOUND

COMPONENT: DEIONIZED WATER (H2O) *NON HAZARDOUS COMPONENT
CAS NO.: 7732-18-5
% : 67.2
OSHA PEL: NONE
ACGIH TLV: NONE
LD (50MG/KG): 629 (ORL-DOG)

SECTION III - PHYSICAL DATA

BOILING POINT (DEG C): 100 DEGREES C
SPECIFIC GRAVITY (H2O=1): 1.0

PH @ 25 DEGREE C: STRONGLY ALKALINE (14)
VOLATILES, % BY WT.: 1.0%
VAPOR DENSITY (AIR=1): 1.1 METHANOL
APPEARANCE AND ODOR: DARK BLUE SOLUTION, SLIGHT ALCOHOL ODOR
FREEZING POINT: -10}C
VAPOR PRESSURE): N/A
EVAPORATION RATE (BUTYL ACETATE=1): N/A
SOLUBILITY IN WATER % BY WT.: MISCIBLE

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): 104}F CLOSED CUP (ASTM-D-56)
AUTOIGNITION TEMPERATURE: N/A
FLAMMABLE LIMITS IN AIR, % BY VOLUME: (PURE METHANOL)
LOWER: 6% UPPER: 36.5%
EXTINGUISHING MEDIA: ANY
SPECIAL FIRE FIGHTING PROCEDURES: MOVE CONTAINERS AWAY IF POSSIBLE;
COOL FROM SIDE. USE FLOODING QUANTITIES OF WATER AS A FOG. APPLY
FROM DISTANCE, STAY UPWIND; AVOID BREATHING.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V - REACTIVITY DATA

STABLE (Y/N): Y
CONDITIONS TO AVOID: SEE BELOW
INCOMPATIBILITY (MATERIALS TO AVOID): CONTACT WITH WATER MAY CAUSE
HEAT TO BE RELEASED. CONTACT WITH ACIDS, FLAMMABLE LIQUID, AND ORGANIC
HALOGEN COMPOUNDS MAY CAUSE FIRE.

HAZARDOUS DECOMPOSITION PRODUCTS: MAY RELEASE TOXIC FUMES OF SODIUM
OXIDE WHICH CAN REACT WITH WATER OR STEAM TO PRODUCE HEAT OR
FLAMMABLE
H2 GAS.

HAZARDOUS POLYMERIZATION (Y/N): N
CONDITIONS TO AVOID: STORING NEAR ACIDS OR ORGANIC HALOGENS.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY:
INHALATION? YES - VAPORS CORROSIVE

SKIN? YES - BURNS
INGESTION? YES - CORROSIVE
HEALTH HAZARDS (ACUTE AND CHRONIC): INHALATION: MILD TO SEVERE
IRRITATION, LARGE DOSES - DELAYED PULMONARY EDEMA, SMALL SKIN BURNS WITH
DEEP ULCERATION, SEVERE BURNS, AND DISINTERGRATION OF CONJUNCTIVAL AND
CORNEAL EPITHELIUM. CORROSION OF LIPS, MOUTH, TONGUE, AND PHARYNX,
VOMITING OF MUCOSA. ASPHYXIA CAN OCCUR FROM SWELLING OF THROAT.
CHRONIC: BRONCHIAL IRRITANT, COUGHING, PNEUMONIA, GASTROINTESTINAL
DISTURBANCES, DERMATITIS, CONJUNCTIVITIS.

CARCINOGENICITY:
NTP: NO
IARC MONOGRAPHS: NO
OHSA REGULATED: NO
SIGNS AND SYMPTOMS OF EXPOSURE: SORE THROAT, COUGHLING, LABORED
BREATHING. BURNS OF SKIN, EYES, MUCOUS MEMBRANES.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: LUNG CONDITIONS, IRRITATED
OR SENSITIVE SKIN.

EMERGENCY AND FIRST AID PROCEDURES: ALL: GET MEDICAL ATTENTION
INHALATION: FRESH AIR, ARTIFICIAL RESPIRATION IF NECESSARY. KEEP WARM
AND AT REST. SKIN: WASH WITH SOAP AND LARGE AMOUNTS OF WATER WHILE
REMOVING CONTAMINATED CLOTHING. EYES: FLUSH WITH LARGE AMOUNTS OF
WATER WHILE LIFTING LIDS (15-20 MINUTES). INGESTION: GIVE LARGE
AMOUNTS OF MILK OR WATER AND ALLOW VOMITING TO OCCUR; DO NOT INDUCE
VOMITING.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

VENTILATE AREA, WEAR IMPERVIOUS GLOVES, CLOTHING AND A FACE SHIELD.
PREVENT SKIN CONTACT. PICK UP, NEUTRALIZE WITH HCl, FLUSH
RESULTING SODIUM CHLORIDE SOLUTION DOWN DRAIN.

WASTE DISPOSAL METHOD: SEE ABOVE.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP COOL AND WELL-SEALED. STORE AWAY FROM ACIDS, FLAMMABLES.

NFPA RATING (SCALE 0-4): HEALTH - 3; FIRE - 2; REACTIVITY - 1;
SPECIFIC - CORROSIVE.

OTHER PRECAUTIONS: SARA TITLE III: CH3OH AND NaOH ARE CERCLA HAZARDS
AND ARE REGULATED BY SECTIONS 311, 312, 313, AND 304 OF SARA. NOT FOUND
ON CAL. PROP. 65 LISTING.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (TYPE): 100 MG/M3; SCBA FULL FACEPLATE

VENTILATION:

LOCAL EXHAUST: TO MEET EXPOSURE LIMITS

MECHANICAL: N/A

SPECIAL: N/A

OTHER: N/A

PROTECTIVE GLOVES: IMPERVIOUS GLOVES

EYE PROTECTION: SPLASH PROOF SAFETY GOGGLES

OTHER PROTECTIVE EQUIPMENT: IMPERVIOUS CLOTHING

WORK/HYGIENIC PRACTICES: EMERGENCY EYE WASH STATION SHOULD BE
AVAILABLE.

NO EATING OR DRINKING WHILE USING.

DOC 1211

PAGE 1

MATERIAL SAFETY DATA SHEET

ORION RESEARCH INCORPORATED
THE SCHRAFFT CENTER
529 MAIN STREET, BOSTON, MA 02129 USA
TELEPHONE 617 / 242-3900

I. PRODUCT IDENTIFICATION

PRODUCT NAME:

AMMONIA PH - ADJUSTING ISA

CATALOG NO.

951211

EFFECTIVE DATE

9/5/86

HAZARDOUS SHIPMENT LABELLING: DOT IATA

SODIUM HYDROXIDE SOLUTION - U.N. NO. 1824-CORROSIVE

PREPARED BY: MICHAEL N. SEVRGINY TITLE: DIRECTOR REGULATORY MATTERS

APPROVED BY: MICHAEL N. SEVRGINY TITLE: DIRECTOR REGULATORY MATTERS

II. HAZARDOUS INGREDIENTS (IDENTITY INFORMATION)

HAZARDOUS COMPONENTS*	CAS NO.	%	OSHA PEL	ACGIH TLV	LD LO
SODIUM HYDROXIDE	1310-73-2	20	2 MG/M3	2 MG/M3	!ORL-RBT 500 MG/KG
METHANOL	67-56-1	10	200 PPM	200 PPM	!ORL-HMN 340 MG/KG
DISODIUM EDTA	139-33-3	1.7	NONE	NONE	!ORL-RAT 2000 MG/KG/
THYMOLPHTHALIEN	125-20-2	1	NONE	NONE	!NOT FOUND. (LD50)

III. PHYSICAL DATA

BOILING PT.760 MMHG : >100 C !
SPEC. GRAVITY (H2O=1): 1 ! FREEZING POINT : <-10 DEG.C
PH @25 C:STRONGLY ALKALINE (14) ! VAPOR PRESSURE : N.A.
VOLATILES, % BY WT. : 10% ! SOLUBILITY IN WATER,%BY WT.: MISCIBLE
VAPOR DENSITY ! EVAPORATION RATE
(METHANOL) : 1.1 ! (BUTYL ACETATE=1) : N.A.

APPEARANCE AND ODOR: DARK BLUE SOLUTION, SLIGHT ALCOHOL ODOR.

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): 104 DEG.F CLOSED CUP. (ASTM-D-56)
AUTOIGNITION TEMPERATURE : N.A.
FLAMMABLE LIMITS IN AIR, % BY VOLUME: (PURE METHANOL);LOWER: 6%; UPPER: 36.5%
EXTINGUISHING MEDIA : ANY
SPECIAL FIRE FIGHTING PROCEDURES : MOVE CONTAINERS AWAY IF POSSIBLE, COOL
FROM SIDE, USE FLOODING QUANTITIES OF WATER AS A FOG. APPLY FROM DISTANCE,
STAY UPWIND AVOID BREATHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS : NEGLIGIBLE FIRE AND EXPLOSION HAZARD
WHEN EXPOSED TO HEAT OR FLAME.

V. REACTIVITY DATA

STABILITY: STABLE; CONDITIONS TO AVOID: SEE BELOW.
INCOMPATIBILITY (MATERIALS TO AVOID): CONTACT WITH WATER MAY CAUSE HEAT TO BE
RELEASED, CONTACT WITH ACIDS, FLAMMABLE LIQUID AND ORGANIC HALOGEN COMPOUNDS

MAY CAUSE FIRE.
HAZARDOUS DECOMPOSITION PRODUCTS: MAY RELEASE TOXIC FUMES OF SODIUM OXIDE
WHICH CAN REACT WITH WATER OR STEAM TO PRODUCE HEAT OR FLAMMABLE H2 GAS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR; CONDITIONS TO AVOID:.....

VI. HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION?: YES - VAPORS CORROSIVE
SKIN? : YES-BURNS; INGESTION?: YES-CORROSIVE
HEALTH HAZARDS (ACUTE AND CHRONIC): INHALATION-MILD TO SEVERE IRRITATION, LARGE
DOSES-DELAYED PULMONARY EDEMA, SMALL SKIN BURNS WITH DEEP ULCERATION, SEVERE
BURNS AND DISINTEGRATION OF CONJUNCTIVAL AND CORNEAL EPITHELIUM. CORROSION OF
LIPS, MOUTH, TONGUE AND PHARYNX, VOMITING OF MUCOSA-ASPHYXIA CAN OCCUR FROM
SWELLING OF THROAT. CHRONIC-BRONCHIAL IRRITANT, COUGHING, PNEUMONIA, GASTRO-
INTESTINAL DISTURBANCES-DERMATITIS-CONJUNCTIVITIS.
CARCINOGENICITY: NOT FOUND ON THESE LISTS./NTP/IARC MONOGRAPHS/OSHA REGULATIONS
DOC 1211 PAGE 2
SIGNS/SYMPTOMS OF EXPOSURE: SORE THROAT, COUGHING, LABORED BREATHING-BURNS OF
SKIN, EYES, MUCOUS MEMBRANES.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: AMOUNTS OF WATER
LUNG CONDITIONS, IRRITATED OR SENSITIVE SKIN.
EMERGENCY AND FIRST AID PROCEDURES: ALL-GET MEDICAL ATTENTION- INHALATION-
FRESH AIR, ARTIFICIAL RESPIRATION IF NECESSARY - KEEP WARM-AT REST. SKIN-WASH
WITH SOAP AND LARGE AMOUNTS OF WATER WHILE REMOVING CONTAMINATED CLOTHING -
EYES-FLUSH WITH LARGE AMOUNTS OF WATER WHILE LIFTING LIDS(15-20 MINUTES).
INGESTION- GIVE LARGE AMOUNTS OF MILK OR WATER AND ALLOW VOMITING TO OCCUR
DO NOT INDUCE VOMITING.

VII. PRECAUTIONS (SAFE HANDLING AND USE)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: VENTILATE AREA,
WEAR IMPERVIOUS GLOVES, CLOTHING AND A FACE SHIELD. PREVENT SKIN CONTACT -
PICK UP, NEUTRALIZE WITH HCL, FLUSH RESULTING SODIUM CHLORIDE SOLUTION DOWN
DRAIN.
WASTE DISPOSAL METHOD: SEE ABOVE.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP COOL AND WELL SEALED.
STORE AWAY FROM ACIDS, FLAMMABLES.
OTHER PRECAUTIONS: WILL ATTACK SOME FORMS OF PLASTICS, RUBBER AND COATINGS.

VIII. CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): >100 MG/M3 SCBA FULL FACEPLATE.
VENTILATION; LOCAL EXHAUST: TO MEET EXPOSURE LIMITS
MECHANICAL/GENERAL: N.A.; SPECIAL: N.A.; OTHER: N.A.
PROTECTIVE GLOVES: IMPERVIOUS GLOVES;
EYE PROTECTION : SPLASH PROOF SAFETY GOGGLES
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS CLOTHING
WORK/HYGIENIC PRACTICES: EMERGENCY EYEWASH SHOULD BE AVAILABLE -
NO EATING OR SMOKING WHILE USING.
DOCUMENT NO. 205494-001 - REV B - N.A.= NOT AVAILABLE OR NOT APPLICABLE.

*CHEMICALS WHICH ARE NOT CLASSIFIED AS HAZARDOUS PER U.S. OSHA GUIDELINES
(29CFR PARTS 1915.2 OR 1916.2) OR THE MASSACHUSETTS SUBSTANCE LIST
(105CMR670.000 APPENDIX A), WILL NOT NECESSARILY BE LISTED ON THIS FORM
EVEN THOUGH ONE OR MORE MAY BE A CONSTITUENT OF THIS PRODUCT.
LIABILITY IS EXPRESSLY DISCLAIMED FOR ANY LOSS OR INJURY ARISING OUT
OF THE USE OF THIS INFORMATION OR THE USE OF ANY MATERIALS DESIGNATED.
SAFE USE OF THE MATERIALS IS THE RESPONSIBILITY OF THE USER.

LAST PAGE

CATALOG NUMBER: 951211 MATERIAL SAFETY DATA SHEET

ORION RESEARCH INCORPORATED
THE SCHRAFFT CENTER
529 MAIN STREET,
BOSTON, MA 02129 USA
TELEPHONE: 617-242-3900

I. PRODUCT IDENTIFICATION

PRODUCT NAME: ORION APPLICATION SOLUTION
AMMONIA PH-ADJUSTING ISA
EFFECTIVE DATE: 04/30/94
HAZAROUS SHIPMENT LABELING:
SODIUM HYDROXIDE SOLUTION - UN1824-CORROSIVE

II. HAZARDOUS INGREDIENTS (IDENTIFY INFORMATION)

HAZARDOUS COMPONENTS* SPECIFIC CHEMICAL IDENTITY	CAS#	%	OSHA PEL	ACGIH TLV	LD (LOMG/KG)
SODIUM HYDROXIDE (NAOH)	1310-73-2	20	2 MG/M3	C2 MG/M3	500 (ORL-RBT)
METHANOL (CH3OH)	37-56-1	10	200 PPM	200 PPM	340 (ORL-HMN)
DISODIUM EDTA (NA2C10H14O8N2)	6381-92-6	1.8	NONE	NONE	200 (ORL-RAT) (LD50)
THYMOLPHTHALEIN (C28H30O4)	125-20-2	1.0	NONE	NONE	NOT FOUND
**DEIONIZED WATER (H2O)	7732-18-5	67.5	NONE	NONE	629,000 (ORL-DOG)

III. PHYSICAL DATA

BOILING POINT(750MMHG): 100C FREEZING POINT: -1.0
 SPECIFIC GRAVITY(H2O=1): 1.0 VAPOR PRESSURE: NA*
 PH @ 25 C: STRONGLY ALKALINE (14) SOLUBILITY IN H2O BY WT: MISCIBLE
 VOLATILES, % BY WT: 10% EVAPORATION RATE(BUAC=1): NA
 VAPOR DENSITY(AIR=1): 1.1 METHANOL
 APPEARANCE AND ODOR: DARK BLUE SOLUTION, SLIGHT ALCOHOL ODOR.

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): 104 F CLOSED CUP (ASTM-D-56)
 AUTOIGNITION TEMPERATURE: NA
 FLAMMABLE LIMITS IN AIR, % BY VOLUME: (PURE METHANOL) LEL: 6% UEL: 36.5%
 EXTINGUISHING MEDIA: ANY

CATALOG # 951211

PAGE 2

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(SECTION IV. CONTINUED...)

SPECIAL FIRE-FIGHTING PROCEDURES: MOVE CONTAINERS AWAY IF POSSIBLE; COOL FROM SIDE. USE FLOODING QUANTITIES OF WATER AS A FOG. APPLY FROM DISTANCE, STAY UPWIND; AVOID BREATHING.

UNUSUAL FIRE & EXPLOSION HAZARDS: NONE

V. REACTIVITY DATA

STABILITY: STABLE
 CONDITIONS TO AVOID: SEE BELOW.

INCOMPATIBILITY (MATERIALS TO AVOID): CONTACT WITH WATER MAY CAUSE HEAT TO BE RELEASED. CONTACT WITH ACIDS, FLAMMABLE LIQUID, & ORGANIC HALOGEN COMPOUNDS MAY CAUSE FIRE.

HAZARDOUS DECOMPOSITION PRODUCTS: MAY RELEASE TOXIC FUMES OF SODIUM OXIDE WHICH CAN REACT WITH WATER OR STEAM TO PRODUCE HEAT OR FLAMMABLE H2 GAS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.
 CONDITION TO AVOID: STORING NEAR ACIDS OR ORGANIC HALOGENS.

VI. HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION-VAPORS CORROSIVE; SKIN-BURNS; INGESTION-CORROSIVE.

HEALTH HAZARDS (ACUTE & CHRONIC):
 INHALATION: MILD TO SEVERE IRRITATION, LARGE DOSES-DELAYED PULMONARY EDEMA, SMALL SKIN BURNS WITH DEEP ULCERATION, SEVERE BURNS, AND DISINTEGRATION OF

CONJUNCTIVAL AND CORNEAL EPITHELIUM. CORROSION OF LIPS, MOUTH, TONGUE, AND PHARYNX, VOMITING OF MUCOSA. ASPHYXIA CAN OCCUR FROM SWELLING OF THROAT. CHRONIC: BRONCHIAL IRRITANT, COUGHING, PNEUMONIA, GASTROINTESTINAL DISTURBANCES, DERMATITIS, CONJUNCTIVITIS.

CARCINOGENICITY: NOT FOUND ON THESE LISTS (NTP/IARC MONOGRAPHS/OSHA REGULATIONS)

SIGNS AND SYMPTOMS OF EXPOSURE: SORE THROAT, COUGHING, LABORED BREATHING. BURNS OF THE SKIN, EYES, MUCOUS MEMBRANES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: LUNG CONDITIONS, IRRITATED OR SENSITIVE SKIN.

EMERGENCY AND FIRST AID PROCEDURES:

ALL: GET MEDICAL ATTENTION. INHALATION: FRESH AIR, ARTIFICIAL RESPIRATION IF NECESSARY. KEEP WARM AND AT REST. SKIN: WASH WITH SOAP AND LARGE AMOUNTS OF WATER WHILE REMOVING CONTAMINATED CLOTHING. EYES: FLUSH WITH LARGE AMOUNTS OF WATER WHILE LIFTING LIDS (15-20 MINUTES). INGESTION: GIVE LARGE AMOUNTS OF MILK OR WATER AND ALLOW VOMITING TO OCCUR, DO NOT INDUCE VOMITING.

CATALOG # 951211

PAGE 3

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VII. PRECAUTIONS (SAFE HANDLING & USE)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CLEAN UP AND SET ASIDE FOR WASTE DISPOSAL.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP COOL AND WELL-SEALED. STORE AWAY FROM ACIDS, FLAMMABLE. NFPA RATING: SCALE (0-4); HEALTH - 3, FIRE - 2, REACTIVITY - 1. SPECIFIC-CORROSIVE. COMPONENTS ARE REPORTED IN THE TSCA INVENTORY.

OTHER PRECAUTIONS:

SARA TITLE III: CH3OH AND NAOH ARE CERCLA HAZARDS AND ARE REGULATED BY SECTIONS 311, 312, 313, AND 304 OF SARA. NOT FOUND ON CAL. PROP 65 LISTING.

VIII. CONTROL MEASURES

RESPIRATORY PROTECTION(SPECIFIC TYPE): 100 MG/M3; SCBA FULL FACEPLATE.

VENTILATION: LOCAL EXHAUST TO MEET EXPOSURE LIMITS.

PROTECTIVE GLOVES: IMPERVIOUS GLOVES

EYE PROTECTION: SPLASH PROOF SAFETY GOGGLES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS CLOTHING.

WORK/HYGIENIC PRACTICES: EMERGENCY EYE WASH STATION SHOULD BE AVAILABLE. NO EATING OR DRINKING WHILE USING.

* CHEMICALS WHICH ARE NOT CLASSIFIED AS HAZARDOUS PER U.S. OSHA GUIDELINES (29 CFR PARTS 1915.2 OR 1916.2) OR THE MASSACHUSETTS SUBSTANCE LIST (105 CMR 670.000 APPENDIX A) WILL NOT NECESSARILY BE LISTED ON THIS FORM EVEN THOUGH ONE OR MORE MAY BE A CONSTITUENT OF THIS PRODUCT.

*NA = NOT AVAILABLE/NOT APPLICABLE

** NON-HAZARDOUS COMPONENT

*** STRONGER SOLUTIONS HAVE BEEN TESTED AND WERE DETERMINED NOT TO BE OXIDIZERS FOR D.O.T. PURPOSES.

LIABILITY IS EXPRESSLY DISCLAIMED FOR ANY LOSS OR INJURY ARISING OUT OF THE USE OF THIS INFORMATION OR THE USE OF ANY MATERIALS DESIGNATED. SAFE USE OF THE MATERIALS IS RESPONSIBILITY OF THE USER.