

NIOXIN RESEARCH LABORATORIES: 1781 WESTFORK DRIVE
LITHIA SPRINGS, GA 30122
TELEPHONE: 1-770-944-1308

COSMETIC PRODUCT (SECTION 1)

TRADE NAME: NIOSPRAY POWER HOLD (80% VOC)

DATE: 07/13/1998

HMIS RATING HEALTH= 1, FLAMMABILITY= 4, REACTIVITY= 0

INGREDIENTS

(SECTION 2)

CHEMICAL NAMES	CAS NUMBER	% WT	TLV-TWA	PEL	SEC. 313
ETHAOL:	64-17-5	64	1000 PPM	1000 PPM	NO
AMINOMETHY PROPANOL:	124-68-5	1	Not Established	Not Established	NO
ETHANE, 1,1- DIFLUORO:	75-37-6	14	1000 PPM	UNKNOWN	NO
ISOBUTANE:	68476-85-7	16	1000 PPM	1000 PPM	NO

INFORMATION FOR MIXTURES IS BASED ON CONSTITUENT MSDS WHICH ARE AVAILABLE UPON REQUEST (MINUS PROPRIETARY TRADE NAMES).

PHYSICAL DATA

(SECTION 3)

BOILING POINT:	173°F	SPECIFIC GRAVITY:	0.806 – 0.820
pH:	ND	% VOLATILITY:	80%
VAPOR PRESSURE:	CAN PRESSURE NOT TO EXCEED 139 PSIG @ 130°F	APPEARANCE:	CLEAR, SLIGHTLY YELLOW LIQUID
VAPOR DENSITY:	>1	ODOR:	CHARACTERISTIC ODOR
SOL. IN WATER:	SOLUBLE	INTENSITY:	NA
EVAPORATION RATE:	>1		

FIRE AND EXPLOSION DATA

(SECTION 4)

FLASH POINT:	-30°F TCC (PROPELLANT)	36°F TCC (LIQUID)
AUTOIGNITION TEMPERATURE:	NA	
FLAMMABILITY LIMITS IN AIR (%V):	LEL= 1.8%;	UEL= 9.5%
EXTINGUISHING MEDIA:	CARBON DIOXIDE, FOAM, DRY CHEMICAL	
SPECIAL FIRE FIGHTING PROCEDURES:	USE DRY CHEMICAL, "ALCOHOL" FOAM, OR CARBON DIOXIDE; WATER MAY BE INEFFECTIVE, BUT WATER SHOULD BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL. IF A SPILL OR A LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROTECT PERSONNEL ATTEMPTING TO STOP LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES AND TO DILUTE SPILLS TO NONFLAMMABLE MIXTURES.	
UNUSUAL FIRE & EXPLOSION HAZARDS:	FIREFIGHTER SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN THE POSITIVE PRESSURE MODE WITH A FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES OR HAZARDOUS DECOMPOSITION PRODS.	

REACTIVITY DATA	(SECTION 5)
PRODUCT STABILITY:	STABLE
CONDITIONS TO AVOID:	KEEP AWAY FROM ACIDS, ALKALIES AND STRONG OXIDIZERS.
CHEMICAL INCOMPATIBILITY:	ACIDS, STRONG ALKALIES AND OXIDIZERS
HAZARDOUS DECOMPOSITION PRODUCTS:	NONE
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS TO AVOID:	NONE KNOWN
CORROSIVE TO METAL:	NO
OXIDIZER:	NA

HEALTH HAZARD DATA	(SECTION 6)
EYE CONTACT:	DIRECT CONTACT OF PRODUCT WITH EYES MAY CAUSE IRRITATION AND MAY RESULT IN IRREVERSABLE DAMAGE.
SKIN CONTACT:	NONE KNOWN
INGESTION:	IF INGESTED MAY CAUSE NAUSEA AND VOMITING. IF IN AEROSOL FORM INGESTION NOT LIKELY.
INHALATION:	NONE KNOWN
CHRONIC EFFECTS OF OVER EXPOSURE:	NONE KNOWN
TOXICOLOGICAL TEST DATA:	NO RESULTS AVAILABLE

FIRST AID	(SECTION 7)
EYES:	FLUSH EYES WITH GENEROUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN IF IRRITATION OCCURS OR WORSENS
SKIN:	WASH EXCESS MATERIAL FROM SKIN WITH SOAP AND WATER
INGESTION:	PRODUCT IS NOT LIKELY TO BE INGESTED. IF THIS OCCURS, TREAT SYMPTOMATICALLY. NEVER GIVE FLUIDS OR INDUCE VOMITING IF THE VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS
INHALATION:	MOVE TO FRESH AIR. AID IN BREATHING, IF NECESSARY, AND GET IMMEDIATE MEDICAL ATTENTION

SPILLS OR LEAK PROCEDURES	(SECTION 8)
ENVIRONMENTAL TOXICITY DATA:	NA
SPILL OR LEAK PROCEDURES:	LEAKING CANS SHOULD BE PLACED IN OPEN CONTAINERS, OUTDOORS, AWAY FROM ANY SOURCE OF IGNITION, UNTIL ALL PRESSURE HAS BEEN RELEASED.
HAZARDOUS SUBSTANCE SUPERFUND:	NA
WASTE DISPOSAL METHOD:	BURY OR INCINERATE IN APPROVED DISPOSAL FACILITIES AND IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
HAZARDOUS WASTE 40CFR261:	D001
CONTAINER DISPOSAL:	EMPTY CONTAINERS MAY BE DISPOSED OF AS NORMAL REFUSE. THIS CONTAINER MAY BE RECYCLED IN THE FEW BUT GROWING NUMBER OF COMMUNITIES WHERE STEEL AEROSOL CAN RECYCLING IS AVAILABLE. BEFORE OFFERING FOR RECYCLING, EMPTY THE CAN BY USING THE PRODUCT ACCORDING TO THE LABEL. (DO NOT PUNCTURE CAN)

HANDLING PRECAUTIONS:	(SECTION 9)
RESPIRATORY PROTECTION:	NIOSH/MSHA- APPROVED ORGANIC VAPOR RESPIRATOR WHEN VAPORS ARE GENERATED ABOVE THE PERMISSABLE LIMIT
VENTILATION:	LOCAL EXHAUST TO CONTROL TO RECOMMENDED P.E.L.
PROTECTIVE CLOTHING:	GLOVES, COVERALLS, APRONS, AND BOOTS- AS NECESSARY TO PREVENT SKIN CONTACT.
EYE PROTECTION:	CHEMICAL GOGGLES
OTHER PRECAUTIONS:	AVOID EXCESSIVE INHALATION. READ AND FOLLOW ALL LABEL DIRECTIONS AND CAUTIONS. EYEWASH FOUNTAINS SHOULD BE EASILY ACCESSIBLE.

SHIPPING DATA - HIGHWAY	(SECTION 10)
D.O.T PROPER SHIPPING NAME:	CONSUMER COMMODITY
HAZARDOUS SUBSTANCE 49 CFR CERCLA:	NA
D.O.T HAZARD CLASS:	ORM-D
D.O.T LABELS REQUIRED:	NONE
D.O.T PLACARDS REQUIRED:	NONE
POISON CONSTITUENT:	NONE
BILL OF LADING DESCRIPTION:	CONSUMER COMMODITY ORM-D
EMERGENCY RESPONSE GUIDE NUMBER:	NAERG #171
EMERGENCY TELEPHONE NUMBER:	CHEM-TEL 1-813-979-0626; US & CANADA ONLY 1-800-255-3924; INTERNATIONAL 00-1-813979-0626
UN/NA CODE:	NONE

SHIPPING DATA- IATA (AIR)	(SECTION 11)
IATA PROPER SHIPPING NAME:	<i>DOMESTIC:</i> CONSUMER COMMODITY <i>EXPORT:</i> AEROSOLS, FLAMMABLE, N.O.S.
IATA HAZARD CLASS:	<i>DOMESTIC:</i> ORM-D AIR <i>EXPORT:</i> 2.1
IATA LABELS REQUIRED- PRIMARY:	<i>DOMESTIC:</i> CONSUMER COMMODITY, ORM- D-AIR. <i>EXPORT:</i> FLAMMABLE GAS
IATA LABELS REQUIRED- SECONDARY:	NA
BILL OF LADING DESCRIPTION:	<i>DOMESTIC:</i> CONSUMER COMMODITY ORM-D-AIR, 9, ID8000. <i>EXPORT:</i> AEROSOLS, FLAMMABLE, N.O.S, (ISOBUTANE, ETHANOL), 2.1, UN1950
UN/NA CODE:	<i>DOMESTIC:</i> NONE. <i>EXPORT:</i> UN1950
PACKING INSTRUCTION:	<i>DOMESTIC:</i> 910 <i>EXPORT:</i> 203/Y203
EMERGENCY RESPONSE GUIDE NUMBER:	<i>DOMESTIC:</i> NAERG #171 <i>EXPORT:</i> NAERG #126
EMERGENCY RESPONSE TELEPHONE NO.:	CHEM-TEL 1-813-979-0626; US & CANADA ONLY 1-800-255-3924; INTERNATIONAL 00-1-813979-0626

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SHIPPING DATA- IMDG (WATER) (SECTION 12)

IMDG PROPER SHIPPING NAME:	AEROSOLS
IMDG HAZARD CLASS:	2.1
IMDG LABELS REQUIRED- PRIMARY:	CARTON MUST BE MARKED "AEROSOLS"
IMDG LABELS REQUIRED- SECONDARY:	NONE
IMDG PLACARDS REQUIRED:	NONE
BILL OF LADING DESCRIPTION:	AEROSOL, 2, UN1950. LTD. QTY.
MARINE POLLUTANT:	NO
EMERGENCY RESPONSE GUIDE NUMBER:	NAERG #126
EMS NUMBER:	2 - 13
MFAG NUMBER:	620
EMERGENCY TELEPHONE NUMBER:	CHEM-TEL: INTERNATIONAL 00-1-813979-0626; DOMESTIC 1-813-979-0626; US & CANADA ONLY 1-800-255-3924
IMDG PAGE NUMBER:	2102
UN CODE:	UN1950

WRITTEN BY: _____ DATE: _____

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