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ALCON ADMIN SVCS

008

MATERIAL SAFETY DATA INFORMATION

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PROPRIETARY

MANUFACTURER/SOURCE OF INFORMATION: ALCON RESEARCH, LTD.
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 ADDRESS: 6201 SOUTH FREEWAY
 FORT WORTH, TX 76134

SECTION 1.	CHEMICAL IDENTIFICATION
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CHEMICAL NAME AND SYNONYMS: SYSTANE LUBRICANT EYE DROPS;
 HPGUAR (SYSTANE) ARTIFICIAL TEARS FID# 102344

SECTION 2.	COMPOSITION/INFORMATION ON INGREDIENTS
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CAS NO.: AP0001758
 PMA/NDA:
 PRODUCT CODE:

PERCENTAGE:	COMPONENT:
1%	BORIC ACID, NF
0.4%	POLYETHYLENE GLYCOL 400, NF
0.3%	PROPYLENE GLYCOL, USP
0.13%	POTASSIUM CHLORIDE, NF
0.0053%	CALCIUM CHLORIDE (DIHYDRATE) NA
0.1%	SODIUM CHLORIDE, USP, PH.EUR, JP
0.0064%	MAGNESIUM CHLORIDE (ANHYDROUS), USP
0.00015%	ZINC CHLORIDE, USP
0.001% +10%xs	POLYQUATERNIUM-1, NOC
adjust pH to 7.0	HYDROCHLORIC ACID, NF
adjust H to 7.0	SODIUM HYDROXIDE, NF
qs to 100%	PURIFIED WATER, USP

FORMULATION PROPRIETARY:

SECTION 3.	HAZARDS IDENTIFICATION
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TARGET ORGANS: NOT DETERMINED

CARCINOGENICITY: NOT DETERMINED

SECTION 4.	FIRST AID MEASURES
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INHALATION:

ACUTE EXPOSURE:

SOME COMPONENTS OF THIS PRODUCT MAY CAUSE IRRITATION TO THE
 RESPIRATORY TRACT SHOULD INHALATION OF PRODUCT OCCUR.

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**CHRONIC EXPOSURE:
NOT DETERMINED****FIRST AID:
REMOVE TO FRESH AIR. IF NOT BREATHING, PERFORM ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN
APPROPRIATE MEDICAL ATTENTION.****SKIN CONTACT:****ACUTE EXPOSURE:
MINIMAL DERMAL IRRITATION MAY OCCUR UPON PROLONGED OR
REPEATED DERMAL EXPOSURE TO SENSITIVE INDIVIDUALS.****CHRONIC EXPOSURE:
NOT DETERMINED****FIRST AID:
IF IRRITATION OCCURS, IMMEDIATELY FLUSH SKIN WITH COPIOUS
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IN THE EVENT OF ANY
ADVERSE EFFECTS, OBTAIN APPROPRIATE MEDICAL ATTENTION.****EYE CONTACT:****ACUTE EXPOSURE:
OCULAR IRRITATION MAY OCCUR FOLLOWING AN EXCESSIVE TOPICAL
OCULAR EXPOSURE BEYOND THERAPEUTIC LEVELS SUCH AS IN
PRODUCT ABUSE OR IN AN INDUSTRIAL ACCIDENT.****CHRONIC EXPOSURE:
NOT DETERMINED****FIRST AID:
IF IRRITATION OCCURS, IMMEDIATELY FLUSH EYES WITH COPIOUS
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IN THE EVENT OF ANY
ADVERSE EFFECTS, OBTAIN APPROPRIATE MEDICAL ATTENTION.****INGESTION:****ACUTE EXPOSURE:
THE CONCENTRATION OF ACTIVE OR POTENTIALLY TOXIC MATERIAL
AVAILABLE IN ONE BOTTLE OF THIS PRODUCT SHOULD NOT PRODUCE A
SIGNIFICANT ORAL HAZARD SHOULD ACCIDENTAL OR INTENTIONAL
INGESTION OCCUR.****CHRONIC EXPOSURE:
NOT DETERMINED****FIRST AID:
WASH OUT MOUTH WITH WATER. IN THE EVENT OF ANY ADVERSE
EFFECTS, OBTAIN APPROPRIATE MEDICAL ATTENTION.**

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SECTION 5. FIRE FIGHTING MEASURES**EXTINGUISHING MEDIA:**

USE EXTINGUISHING MEDIA APPROPRIATE FOR THE SURROUNDING

SPECIAL FIRE FIGHTING PROCEDURES:

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

THIS MATERIAL SHOULD NOT PRESENT A FIRE OR HAZARD.

TOXIC GASES PRODUCED:

CARBON MONOXIDE AND CARBON DIOXIDE

CERCLA HAZARD RATING (SCALE 0-3):

HEALTH: N/A

FIRE: N/A

REACTIVITY: N/A

PERSISTENCE: N/A

SECTION 6. ACCIDENTAL RELEASE MEASURES**SPILL:**

WEAR APPROVED RESPIRATOR AND CHEMICALLY COMPATIBLE GLOVES. VACUUM OR SWEEP UP SPILLAGE. AVOID DUST. PLACE SPILLAGE IN APPROPRIATE CONTAINER FOR WASTE DISPOSAL. WASH CONTAMINATED CLOTHING BEFORE REUSE. VENTILATE AREA AND WASH SPILL SITE.

SECTION 7. HANDLING AND STORAGE**SPECIAL PRECAUTIONS:**

STORE IN A TIGHT CONTAINER AS DEFINED IN THE UNITED STATES PHARMACOPEIA. THIS MATERIAL SHOULD BE HANDLED AND STORED PER LABEL AND OTHER INSTRUCTIONS TO ENSURE PRODUCT INTEGRITY.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING INFORMATION ASSUMES LARGE QUANTITIES OF THE PRODUCT SUCH AS MIGHT BE ENCOUNTERED IN WAREHOUSE STORAGE OR AN INDUSTRIAL ACCIDENT.

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VENTILATION:
USE GENERAL OR LOCAL EXHAUST

FIRE FIGHTING:
SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED WHEN
FIGHTING FIRES INVOLVING A CHEMICAL.

CLOTHING:
APPROPRIATE LABORATORY APPAREL, PROTECT EXPOSED SKIN
GLOVES: RUBBER
EYE PROTECTION: SAFETY GOGGLES
RESPIRATORY PROTECTION: NIOSH/MSHA-APPROVED

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: CLEAR AQUEOUS SOLUTION

BOILING POINT:	N/A	MELTING POINT:	N/A
SPECIFIC GRAVITY:	N/A	VAPOR PRESSURE:	N/A
EVAPORATION RATE:	N/A	SOLUBILITY IN WATER:	MISCIBLE
VAPOR DENSITY:	N/A		

SECTION 10. STABILITY AND REACTIVITYREACTIVITY:
STABLEINCOMPATIBILITIES:
NONE OTHER THAN WATER ALONE WOULD PRODUCE.DECOMPOSITION:
WHEN HEATED TO DECOMPOSITION, MATERIAL EMITS TOXIC FUMES.POLYMERIZATION:
WILL NOT OCCURCONDITION TO AVOID:
MATERIAL IS STABLE FROM A SAFETY POINT OF VIEW.**SECTION 11. TOXICOLOGICAL INFORMATION**

TOXICITY:
PARENTERAL (ORAL OR INTRAVENOUS) CONTACT WITH HIGH
CONCENTRATIONS OF SOME OF THE COMPONENTS OF THIS OPHTHALMIC
FORMULATION ARE KNOWN TO PRODUCE TOXICITY REACTIONS. AS THE
COMPONENTS OF THIS FORMULATION HAVE BEEN USED IN OTHER

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OPHTHALMIC FORMULATIONS, THE CONCENTRATIONS OF THESE COMPONENTS IS RELATIVELY SMALL IN THE FINISHED PRODUCT, THIS FORMULATION SHOULD NOT PRESENT A SIGNIFICANT CONTACT HAZARD TO HUMANS.

PRECAUTIONS TO CONSIDER: AS WITH ALL PRODUCTS, THE POTENTIAL FOR A SMALL NUMBER OF PERSONS TO DEVELOP HYPERSENSITIVITY (ALLERGIC) REACTIONS RANGING FROM MILD TO SEVERE EXIST. PERSONS DEVELOPING HYPERSENSITIVITY (ANAPHYLACTIC) REACTIONS MUST RECEIVE IMMEDIATE MEDICAL ATTENTION.

AS A GENERAL RULE, INDIVIDUALS WORKING WITH CHEMICALS SHOULD CONSIDER ALL CHEMICALS TO BE POTENTIALLY HAZARDOUS EVEN IF THEIR INDIVIDUAL HAZARDS MAY BE UNCHARACTERIZED OR UNKNOWN.

CARCINOGENICITY:
NOT DETERMINED

INHALATION:
ACUTE EXPOSURE:
SOME COMPONENTS OF THIS PRODUCT MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT SHOULD INHALATION OF PRODUCT OCCUR.
CHRONIC EXPOSURE:
NOT DETERMINED

SKIN CONTACT:
ACUTE EXPOSURE:
MINIMAL DERMAL IRRITATION MAY OCCUR UPON PROLONGED OR REPEATED DERMAL EXPOSURE TO SENSITIVE INDIVIDUALS.
CHRONIC EXPOSURE:
NOT DETERMINED

EYE CONTACT:
ACUTE EXPOSURE:
OCULAR IRRITATION MAY OCCUR FOLLOWING AN EXCESSIVE TOPICAL OCULAR EXPOSURE BEYOND THERAPEUTIC LEVELS SUCH AS IN PRODUCT ABUSE OR IN AN INDUSTRIAL ACCIDENT.
CHRONIC EXPOSURE:
NOT DETERMINED

INGESTION:
ACUTE EXPOSURE:
THE CONCENTRATION OF ACTIVE OR POTENTIALLY TOXIC MATERIAL AVAILABLE IN ONE BOTTLE OF THIS PRODUCT SHOULD NOT PRODUCE A SIGNIFICANT ORAL HAZARD SHOULD ACCIDENTAL OR INTENTIONAL INGESTION OCCUR.

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**CHRONIC EXPOSURE:
NOT DETERMINED**

SECTION 12. | ECOLOGICAL INFORMATION

DATA NOT YET AVAILABLE

SECTION 13. | DISPOSAL INFORMATION

DISPOSAL:

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. THIS PRODUCT DOES NOT MEET THE DEFINITION OF HAZARDOUS WASTE AS DEFINED IN 40CFR, PART 261.11.

SECTION 14. | TRANSPORTATION INFORMATION

THIS PRODUCT DOES NOT POSE AN UNREASONABLE RISK TO HEALTH AND SAFETY OR PROPERTY WHEN TRANSPORTED IN COMMERCE. THE HAZARD CLASS DEFINITIONS OF 49CFR, PART 173 ARE NOT APPLICABLE TO THIS PRODUCT.

SECTION 15. | REGULATORY INFORMATION

CAS NO.: AP0001758 UN NO.:
PRODUCT CODE: PMA/NDA NO.:
TSCA:

RISK AND SAFETY PHRASES:

SECTION 16. | OTHER INFORMATION

THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND. THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL-INCLUSIVE AND SHOULD BE USED ONLY AS A GUIDE. USERS SHOULD MAKE INDEPENDENT DETERMINATIONS OF THE SUITABILITY AND COMPLETENESS OF INFORMATION FROM ALL SOURCES TO ASSURE PROPER USE AND DISPOSAL OF THESE MATERIALS AND THE SAFETY AND HEALTH OF EMPLOYEES AND CUSTOMERS.

APPROVED:

R&D: /D.D./F.F/M.C./L.S./
DATE: 3/11/03

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