225814

XYLOCAINE SOLUTIONS

ASTRA PHARMACEUTICAL PRODUCTS

Revised: 9/1/1987

MSDS Material Safety Data Sheet

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ASTRA (R*)

ASTRA PHARMACEUTICAL PRODUCTS, INC.
50 OTIS STREET, WESTBOROUGH, MA 01581
TEL. (617) 366-1100

MATERIAL SAFETY DATA SHEET

PRODUCT NAME:
XYLOCAINE SOLUTIONS

EMERGENCY PHONE: 24 HOURS:
1-800-922-8584

GENERAL INFORMATION PHONE#:
1-617-366-1100

DATE THIS FORM PREPARED:
SEPTEMBER 1, 1987

SIGNATURE OF CERTIFYING COMPANY OFFICIAL:

1. MATERIAL AND MANUFACTURER IDENTIFICATION

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SYNONYM(S)/CLASSIFICATION:
AQUEOUS SOLUTIONS OF XYLOCAINE (LIDOCAINE HYDROCHLORIDE) AS PHARMACEUTICAL PRODUCTS.

PRODUCT USE:
LOCAL ANESTHETIC PRODUCTS FOR USE BY INJECTION.

MANUFACTURER NAME & ADDRESS:
ASTRA PHARMACEUTICAL PRODUCTS, INC.
50 OTIS STREET, WESTBOROUGH, MA 01581

2. REGULATORY INFORMATION

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DOT (HMTA) DEPARTMENT OF TRANSPORTATION:
NOT LISTED AS A HAZARDOUS MATERIAL

U.N. OR N.A. NUMBER:
NONE

EPA (CERCLA/RCRA) ENVIRONMENTAL PROTECTION AGENCY:
NOT LISTED AS A HAZARDOUS SUBSTANCE

OSHA (OSHA) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION:
NOT LISTED AS A HAZARDOUS CHEMICAL

EPA (TSCA) ENVIRONMENTAL PROTECTION AGENCY:
NOT LISTED AS A HAZARDOUS CHEMICAL SUBSTANCE

3. HAZARDOUS INGREDIENTS

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NAME	CAS NUMBER	% CONC.	OSHA PEL	ACGIH TLV	OTHER
LIDOCAINE HYDROCHLORIDE	73-78-9	0.5 TO 4.0	NOT LISTED	NOT LISTED	NOT LISTED

4. PHYSICAL DATA

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BOILING RANGE (DEG C):
APPROX. 100

MELTING POINT (DEG C):
APPROX. 0

VAPOR PRESSURE (MMHG) @ 20 DEG C:
APPROX. 17

VAPOR DENSITY (AIR = 1):
0.6

SOLUBILITY IN WATER:
SOLUBLE

SPECIFIC GRAVITY (WATER = 1):
APPROX. 1

EVAPORATION RATE (WATER = 1):
APPROX. 1

PHYSICAL STATE:
LIQUID

COLOR AND ODOR:
CLEAR, ODORLESS

5. FIRE AND EXPLOSION HAZARD DATA

top

FLASH POINT (AND METHOD USED):
NOT FLAMMABLE

FLAMMABLE LIMITS (STP)
LOWER: N.A.
UPPER: N.A.

EXTINGUISHING MEDIA:
NOT APPLICABLE

SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT:
NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE

6. REACTIVITY DATA

top

STABILITY:
STABLE (X)
UNSTABLE ( )
CONDITIONS TO AVOID: NONE

INCOMPATIBILITY (MATERIALS TO AVOID):
COMPOUNDS OR MATERIALS WHICH REACT VIOLENTLY WITH WATER.

HAZARDOUS DECOMPOSITION PRODUCTS:
NONE

HAZARDOUS POLYMERIZATION:
MAY OCCUR ( )
WILL NOT OCCUR (X)
CONDITIONS TO AVOID: NONE

HAZARD CLASSIFICATION BASED ON NFPA SYSTEM:

HAZARD CODE:
4: EXTREME
3: HIGH
2: MODERATE
1: SLIGHT
0: NEGLIGIBLE

FLAMMABILITY
0
HEALTH 2 0 REACTIVITY
-
SPECIAL

7. SPECIAL PROTECTION INFORMATION

top

VENTILATION:
LOCAL EXHAUST (X)
MECHANICAL (GENERAL) ( )
SPECIAL ( )

RESPIRATORY PROTECTION (SPECIFY TYPE):
NONE NORMALLY REQUIRED

PROTECTIVE CLOTHING:
NONE NORMALLY REQUIRED

EYE PROTECTION:
NONE NORMALLY REQUIRED

OTHER PROTECTIVE EQUIPMENT:
NONE NORMALLY REQUIRED

WORK/HYGIENIC PRACTICES:
AVOID INGESTION AND CONTACT WITH EYES.

8. SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
CLEAN UP SPILLS WITH NORMAL PROCEDURES USED FOR NON-HAZARDOUS LIQUIDS.

DISPOSAL METHOD:
DISPOSE AS A NON-HAZARDOUS WASTE.

9. SPECIAL PRECAUTIONS

top

HANDLING AND STORING REQUIREMENTS:
STORE IN A COOL, DRY PLACE. AVOID EXTREMES IN TEMPERATURE. HANDLE TO AV
OID
BREAKAGE.

PRECAUTIONARY LABELING:
NONE REQUIRED. CAUTION AGAINST INGESTION AND CONTACT WITH EYES RECOMMEN
DED.

COMMENTS:
DATA AND INFORMATION FOR ITEMS 4 THROUGH 9 RELATE TO THE PRODUCTS AS A

WHOLE (AQUEOUS SOLUTIONS).

10. HEALTH HAZARD DATA

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POTENTIAL CONTACT AND ROUTES OF ENTRY:
INHALATION ( )
INGESTION (X)
SKIN (X)
EYE (X)

BASIS OF HEALTH HAZARD DETERMINATION:
PRODUCT AS A WHOLE (X)
INDIVIDUAL CONSTITUENTS ( )

HEALTH HAZARDS

INGESTION AND SYSTEMIC ABSORPTION OF THESE PRODUCTS MAY RESULT IN TOXIC EFFECTS ON THE CENTRAL NERVOUS SYSTEM AND ON THE CARDIOVASCULAR SYSTEM. ALLERGIC REACTIONS MAY ALSO OCCUR.

SIGNIFICANT ADVERSE EFFECTS ON INTACT SKIN ARE UNLIKELY. CONTACT WITH MUCOUS MEMBRANES MAY CAUSE IRRITATION PLUS NUMBNESS AND LOSS OF SENSATI ON.

CONTACT WITH THE EYE MAY CAUSE IRRITATION. EYE CONTACT WILL ALSO CAUSE NUMBNESS AND LOSS OF SENSATION.

SIGNS AND SYMPTOMS OF EXPOSURE:
SYSTEMIC EFFECTS MAY INCLUDE NERVOUSNESS, CONFUSION, DROWSINESS, BLURRE D
VISION, VOMITING, TREMORS, CONVULSIONS, RESPIRATORY DEPRESSION, SLOWING OF
THE HEART, BLOOD PRESSURE DROP, AND UNCONSCIOUSNESS.

EMERGENCY AND FIRST AID PROCEDURES:
CALL A PHYSICIAN. MEDICAL ATTENTION SHOULD INCLUDE MAINTENANCE OF BREAT HING
AND CONTROLLING CONVULSIONS IF THEY OCCUR. IF EYE CONTACT OCCURS, WASH THOROUGHLY WITH CLEAN WATER FOR 15 MINUTES.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
HYPERSENSITIVITY TO LOCAL ANAESTHETICS OF THE AMIDE TYPE.

CARCINOGENICITY
NOT LISTED (X)
NTP ( )
IARC ( )
OSHA ( )

COMMENTS:
LIDOCAINE HYDROCHLORIDE IS A LOCAL ANESTHETIC AGENT, AND LIKE ALL LOCAL ANAESTHETICS IT CAN DEPRESS EXCITABLE TISSUES. THUS, IT MAY CAUSE ADVER SE

EFFECTS ON THE NERVOUS SYSTEM, ON RESPIRATION, AND ON THE CARDIOVASCULA
R
SYSTEM.

KENDALL HEATH R+D

POVIDONE IODINE SWABSTICK (TRIPLES)

APLICARE

Revised: 12/6/1988

MSDS Material Safety Data Sheet

07/13/09 15:14 FAX 847 785 3438 005

MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

U.S. DEPARTMENT OF LABOR
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
(NON-MANDATORY FORM)
FORM APPROVED
OMB NO. 1218-0072

IDENTITY (AS USED ON LABEL AND LIST): POVIDONE IODINE SWABSTICK (TRIPLES)

NOTE: BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, OR NO INFORMATION IS AVAILABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.

SECTION I

MANUFACTURER'S NAME: APLICARE, INC.

ADDRESS (NUMBER, STREET, CITY, STATE, AND ZIP CODE):
7 ORCHARD PARK ROAD
MADISON, CT. 06443

EMERGENCY TELEPHONE NUMBER: CHEMTREC 800 424-9300

TELEPHONE NUMBER FOR INFORMATION: (203) 245-2079

DATE PREPARED: 12/6/88

SIGNATURE OF PREPARER (OPTIONAL):

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARD COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	% (OPTIONAL)
IODINE (CAS#7553-56-2)	0.1PPM			1

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS
OF SATURATING SOLUTION)

BOILING POINT: 212 DEG. F

SPECIFIC GRAVITY (H2O = 1): 1.04

VAPOR PRESSURE (MM HG.): N/A

MELTING POINT: N/A

VAPOR DENSITY (AIR=1): N/A

EVAPORATION RATE (BUTYL ACETATE = 1): UNKNOWN

SOLUBILITY IN WATER: SOLUBLE

APPEARANCE AND ODOR: BROWN LIQUID WITH A MILD IODINE ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): UNKNOWN

FLAMMABLE LIMITS: UNKNOWN LEL: UEL:

EXTINGUISHING MEDIA: WATER, CO2, POWDER.

SPECIAL FIRE FIGHTING PROCEDURES: NONE SPECIFIED.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE SPECIFIED.

SECTION V - REACTIVITY DATA

STABILITY: UNSTABLE ( ) STABLE (X)

CONDITIONS TO AVOID:

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ALKALI

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A

HAZARDOUS POLYMERIZATION: MAY OCCUR ( ) WILL NOT OCCUR (X)

CONDITIONS TO AVOID:

SECTION VI - HEALTH HAZARD DATA
(OF SATURATING SOLUTION)

ROUTE(S) OF ENTRY:
INHALATION? X
SKIN? X
INGESTION? UNLIKELY

HEALTH HAZARDS (ACUTE AND CHRONIC): MAY CAUSE IRRITATION OF EYES

CARCINOGENICITY:
NTP? NO
IARC MONOGRAPHS? NO
OSHA REGULATED? NO

SIGNS AND SYMPTOMS OF EXPOSURE: MAY CAUSE IRRITATION OF EYES, BUT SHOULD NOT CAUSE IRRITATION OF RESPIRATORY TRACT OR SKIN. MAY BE HARMFUL IF SWALLOWED.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: UNKNOWN

EMERGENCY AND FIRST AID PROCEDURES: FLUSH EYES WITH WATER. IF IRRITATION CONTINUES SEE A DOCTOR. IF LARGE AMOUNTS ARE INGESTED GIVE A SUSPENSION OF STARCH OR FLOUR IN WATER AND INDUCE EMESIS, CALL A DOCTOR.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: IT IS UNLIKELY THAT THIS PRODUCT WHEN SPILLED WILL CAUSE A PROBLEM BECAUSE THEY ARE INDIVIDUAL PACKETS CONTAINING BETWEEN 2-7 ML OF SOLUTION.

WASTE DISPOSAL METHOD: ANY SOLUTION THAT IS SPILLED MAY BE WIPED UP WITH TOWELING AND DISPOSED OF WITH GARBAGE.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: AVOID EXCESSIVE HEAT.

OTHER PRECAUTIONS: NONE

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NONE SPECIFIED.

VENTILATION:
LOCAL EXHAUST: X
MECHANICAL (GENERAL):
SPECIAL:
OTHER:

PROTECTIVE GLOVES: IF DESIRED.

EYE PROTECTION: IF DESIRED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE REQUIRED.

WORK/HYGIENIC PRACTICES: NORMAL

(REPRODUCE LOCALLY)

OSHA 174, SEPT. 1985

U.S.G.P.O.: 1986-491-529/45775

GELTWIN(TM) AGAROSE CLARIFIER ADDITIVE

MALLINCKRODT BAKER

Revised: 11/2/2001

MSDS Material Safety Data Sheet

07/13/09 15:17 FAX 847 785 3438 016

MSDS Number: G1470

Effective Date: 11/02/01
Supercedes: 11/17/99

MSDS MATERIAL SAFETY DATA SHEET

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

Emergency Telephone Number: 908-859-2151

CHEMTREC: 800-424-9300 (USA)
703-527-3887
(Outside USA & CANADA)
CANUTEC: 613-996-6666

NOTE: Use CHEMTREC and CANUTEC phone numbers only in the event of a chemical emergency.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

J. T. B A K E R

GelTwin(tm) Agarose Clarifier Additive

1. Product Identification

Synonyms: None
CAS No: 9000-40-2
Molecular Weight: Not applicable.
Chemical Formula: Not applicable.
Product Codes: 4379, 4380

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Carob Gum	9000-40-2	99 - 100%	Yes

3. Hazards Identification

Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

J.T. Baker SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 0 - None
Flammability Rating: 1 - Slight
Reactivity Rating: 1 - Slight
Contact Rating: 0 - None
Lab Protective Equip: GOGGLES; LAB COAT
Storage Color Code: Orange (General Storage)

Potential Health Effects

Inhalation:
Does not meet OSHA definitions for toxic or highly toxic

Ingestion:
No significant hazard. The ingredient is approved as GRAS, generally recognized as safe.

Skin Contact:
Minimally irritating (Rabbit)

Eye Contact:
Minimally irritating to washed and unwashed eyes

Chronic Exposure:
No information found.

Aggravation of Pre-existing Conditions:
No information found.

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4. First Aid Measures

Inhalation:
Remove to fresh air, if breathing is difficult, give oxygen.

Ingestion:
If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact:
Wash after each contact.

Eye Contact:
In case of contact, flush eyes with plenty of water for at least 15 minutes. Get medical advice if irritation develops.

Note to Physician:
This material is anticipated to have low toxicity. Treatment is symptomatic and supportive.

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5. Fire Fighting Measures

Fire:
Flammable limits in air % by volume:
uel: 205

Explosion:
The accumulation of excessive dust on overhead structures may produce explosive concentrations when released by a small explosion that shakes down accumulated dust and causes, momentarily, a flammable concentration. Sensitive to static discharge.

Fire Extinguishing Media:
Water, dry chemical, foam or carbon dioxide.

Special Information:
Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

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6. Accidental Release Measures

Avoid contact with strong oxidants. Maintain good housekeeping practices to minimize accumulation of settled dust. Sweep up the spilled material and dispose.

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7. Handling and Storage

Material is combustible. Keep away from heat and flame Store in dry area for product quality assurance. Keep from contact with oxidizing materials. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
None established.

Ventilation System:
In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved):
For conditions of use where exposure to the substance is apparent and engineering controls are not feasble, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:
Wear protective gloves and clean body-covering clothing.

Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:
Off-white Powder.

Odor:
Slight marine odor.

Solubility:
10% maximum (by weight)

Specific Gravity:
1.7

pH:
9 (1% solution)

% Volatiles by volume @ 21C (70F):
NA

Boiling Point:
No information found.

Melting Point:
260C (500F)

Vapor Density (Air=1):
NA

Vapor Pressure (mm Hg):
NA @ 20C (68F)

Evaporation Rate (BuAc=1):
No information found.

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide.

Hazardous Polymerization:
Will not occur.

Incompatibilities:
Acids, strong oxidizing agents.

Conditions to Avoid:
No information found.

11. Toxicological Information

--------\Cancer Lists\----------

Ingredient	NTP Carcinogen - Known	NTP Carcinogen - Anticipated	IARC Category
Carob Gum (9000-40-2)	No	No	None

12. Ecological Information

Environmental Fate:
No information found.

Environmental Toxicity:
No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

--------\Chemical Inventory Status - Part 1\----------

Ingredient	TSCA	EC	Japan	Australia
Carob Gum (9000-40-2)	Yes	Yes	No	Yes

--------\Chemical Inventory Status - Part 2\----------

Ingredient	Korea	Canada - DSL	Canada - NDSL	Phil.
Carob Gum (9000-40-2)	Yes	Yes	No	Yes

-------\Federal, State & International Regulations - Part 1\----------

	SARA 302	SARA 313

Ingredient	RQ	TPQ	List	Chemical Catg.
Carob Gum (9000-40-2)	No	No	No	No

--------\Federal, State & International Regulations - Part 2\----------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Carob Gum (9000-40-2)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No
Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated.
Poison Schedule: None allocated.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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16. Other Information

Label Hazard Warning:
As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions:
During use avoid contact with eyes, skin, clothing. Wash thoroughly after handling. When not in use keep in tightly closed container.

Label First Aid:
Not applicable.

Product Use:
Gel electrophoresis

Revision Information:
MSDS Section(s) changed since last revision of document include: 8.

Disclaimer:
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Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)
G1470