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DATE: 02/03/05 INDEX: A50337753 CAT NO: AC192220025

**** MATERIAL SAFETY DATA SHEET ****

Poly(Ethylene Glycol), Average M.W. 300

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: Poly(Ethylene Glycol), Average M.W. 300

Catalog Numbers: AC192220000, AC192220010, AC192220025, AC192220050

Synonyms:

Aquaffin; Ethlyene Polyoxide; Nycoline.

Company Identification (Europe): Acros Organics BVBA

Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium Acros Organics

Company Identification (USA): One Reagent Lane

Fairlawn, NJ 07410 call: 800-ACROS-01 For information in North America, call: For information in Europe, call: S032(0) 1457: For emergencies in the US, call CHEMTREC: 800-424-9300 For emergencies in Europe, call: 0032(0) 14575299 0032(0) 14575211

**** SECTION 2 - COMPOSITION. INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	8	EINECS#
25322-68-3	Polyethylene Glycol	100	unlisted

Hazard Symbols: None Listed. Risk Phrases: None Listed.

** ** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Appearance: not available solid. expected to be a low hazard for usual industrial handling. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Target Organs: None.

Potential Health Effects

May cause mild eye irritation.

May cause mild skin irritation.

Ingestion: May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation.

Chronic:

No information found.

**** SECTION 4 - FIRST AID MEASURES ****

. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear. Notes to Physician:

Treat symptomatically and supportively.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

Extinguishing Media:

guishing media: For large fires, use water spray, fog or regular foam. Cool containers with flooding quantities of water until well after fire is out. For small fires, use dry chemical or carbon dioxide. Autoignition Temperature:Not applicable.

199 deg C (390.20 deg F) Flash Point:

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Explosion Limits, lower: Not available. Explosion Limits, upper:Not available.

NFPA Rating: (estimated) Health: 0; Flammability: 1; Instability: 0

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

**** SECTION 7 - HANDLING and STORAGE ****

Handling.

Wash thoroughly after handling. Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Wash clothing before reuse. Storage:

Store in a tightly closed container. Store in a cool, dry area away from incompatible substances.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PEL
Polyethylene Glycol	none listed	none listed	none listed

OSHA Vacated PELs: Polyethylene Glycol: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eves:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin

Clothing:

Wear a chemical apron. Wear appropriate gloves to prevent skin exposure.

Respirators:

A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State:

not available Color: Odor: characteristic odor Not available. DH. Vapor Pressure: Not available. Vapor Density: Not available. Evaporation Rate: Not available.

25-32 cSt. @98C Viscosity: Boiling Point: Not available. 44-48C Freezing/Melting Point: Decomposition Temperature:

Solubility in water: Specific Gravity/Density: Molecular Formula:

Not available. Soluble in water 1.15 C2H6O2-n

Not available. Molecular Weight:

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, dust generation, excess heat: Incompatibilities with Other Materials:

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                       Strong oxidizing agents.
            Hazardous Decomposition Products:
                      Carbon monoxide, carbon dioxide.
            Hazardous Polymerization: Has not been reported.
                                    **** SECTION 11 - TOXICOLOGICAL INFORMATION ****
           RTECS# .
                     S#: 25322-68-3: TQ3500000 TQ3520000 TQ3560000 TQ3580000
TQ3600000 TQ3610000 TQ3620000 TQ3630000 TQ3650000
TQ3675000 TQ3700000 TQ38600000 TQ3850000 TQ4025000
TQ4026000 TQ4027000 TQ4028000 TQ4030000 TQ4040000
TQ4041000 TQ4050000 TQ4070000 TQ4105000
TQ4101000 TQ4950000 TQ5090000 TR1579850 ZD2465300
           LD50/LC50:
                    /CCSO CAS# 25322-68-3: Draize test, rabbit, eye: 500 mg/24H Mild; Draize test, rabbit, eye: 100 uL Mild; Draize test, rabbit, eye: 500 mg Mild; Draize test, rabbit, eye: 500 mg/24H Mild; Draize test, rabbit, skin: 500 mg/24H Mild; Draize test, rabbit; LD50 = 31 mg/kg; Oral, rabbit; LD50 = 14 mouse: LD50 = 28915 mg/kg; Oral, rabbit; LD50 = 17300 mg/kg; Oral, rabbit; LD50 = 17300 mg/kg; Oral, rabbit; LD50 = 176 mg/kg; Oral, rabbit; LD50 = 26800 mg/kg; Oral, rabbit; LD50 = 176 mg/kg; Oral, rabbit; LD50 = 28 mg/kg; Oral, rabbit; LD50 = 36 mg/kg; Oral, rabbit; LD50 = 28 mg/kg; Oral, rat; LD50 = 31640 mg/kg; inogenicity;
           Carcinogenicity:
               Folyethylene Glycol -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
           Epidemiology:
                     No information available.
           Teratogenicity:
           No information available. Reproductive Effects:
                     No information available.
          Neurotoxicity:
No information available.
           Mutagenicity:
                     No information available.
           Other Studies:
                      No data available.
                                      **** SECTION 12 - ECOLOGICAL INFORMATION ****
           Ecotoxicity:
                     Fish: Goldfish: LC50 = >5000 mg/L; 24 Hr.; UnspecifiedBacteria: Phytobacterium phosphoreum: EC50 = 100,000 mg/L; 15 minutes; Microtox testThe product is chemically identically to the natural amino acid L-Serine and can therefore be degraded microbiologically.
                                    **** SECTION 13 - DISPOSAL CONSIDERATIONS ****
Chemical waste generators must determine whether a discarded chemical
is classified as a hazardous waste.
US EPA quidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate
classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed
                                      **** SECTION 14 - TRANSPORT INFORMATION ****
          US DOT
                    No information available
          Canadian TDG
                    No information available.
                                      **** SECTION 15 - REGULATORY INFORMATION ****
 US FEDERAL
          TSCA
                     CAS# 25322-68-3 is listed on the TSCA inventory.
                Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
                Chemical Test Rules
                    None of the chemicals in this product are under a Chemical Test Rule.
                 Section 12b
                    None of the chemicals are listed under TSCA Section 12b.
                TSCA Significant New Use Rule
                    None of the chemicals in this material have a SNUR under TSCA.
                CERCLA Hazardous Substances and corresponding RQs
                None of the chemicals in this material have an RQ. SARA Section 302 Extremely Hazardous Substances
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          None of the chemicals in this product have a TPO.
        SARA Codes
          CAS # 25322-68-3.
        Section 313
          No chemicals are reportable under Section 313.
     Clean Air Act:
          This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.
     Clean Water Act:
          None of the chemicals in this product are listed as Hazardous
          Substances under the CWA.
          None of the chemicals in this product are listed as Priority
          Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants
          under the CWA
          None of the chemicals in this product are considered highly hazardous
STATE
    Polyethylene Glycol can be found on the following state right to know
     lists: Minnesota.
    California No Significant Risk Level:
None of the chemicals in this product are listed. European/International Regulations
    European Labeling in Accordance with EC Directives
          Hazard Symbols: Not available
          Risk Phrases:
          Safety Phrases:
                        S 24/25 Avoid contact with skin and eyes.
  WGK (Water Danger/Protection)
         CAS# 25322-68-3 · 1
  United Kingdom Occupational Exposure Limits
  United Kingdom Maximum Exposure Limits
  Canada
         CAS# 25322-68-3 is listed on Canada's DSL List.
         CAS# 25322-68-3 is not listed on Canada's Ingredient Disclosure List.
  Exposure Limits
                   **** SECTION 16 - ADDITIONAL INFORMATION ****
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MSDS Creation Date: 7/01/1999 Revision #2 Date: 3/18/2003

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