



Safety Data Sheet (91/155/EEC): 20020I

Revision Date: 07/14/2003
Issued: 12/22/2003

LIQUAPAR® OPTIMA

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of Substances of Preparation:

Product Id: 20020I

Product Name: LIQUAPAR® OPTIMA

CAS Registry Number: 122-99-6; 99-76-3; 4191-73-5; 4247-02-3; 94-26-8

CAS Name: Ethanol, 2-Phenoxyethanol; Benzoic acid, 4-hydroxy-, 1-methyl ester; Benzoic acid, 4-hydroxy-, 1-methylethyl ester; Benzoic acid, 4-hydroxy-, butyl ester; Benzoic acid, 4-hydroxy-, 2-methylpropyl ester

Responsible Party: International Specialty Products
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Distributed By:
ISP (Great Britain) Co. Ltd.
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Synonyms: Phenoxyethanol; Methylparaben; Isopropylparaben; Isobutylparaben; Butylparaben (INCI NAMES)

Emergency Telephone: +32.3.575.55.55 (SGS)

Prepared By: Product Stewardship

Product Use: Preservative

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components:	Weight %	EU Classification:	German MAK:	UK OES/MEL:
Isopropylparaben 4191-73-5	5-7	NA	Not determined	Not determined
Isobutylparaben 4247-02-3	3.5-5.5	NA	Not determined	Not determined
Butylparaben 94-26-8	3.5-5.5	NA	Not determined	Not determined
2-PHENOXYETHANOL 122-99-6	66-74	Xi; R36 Xn; R22	20 ppm MAK; 110 mg/m ³ MAK	Not determined

3. HAZARDS IDENTIFICATION



Indication of Danger:
Risk Phrases:

Xn Harmful.
R22 - Harmful if swallowed.
R41 - Risk of serious damage to eyes.
R36/38 - Irritating to eyes and skin.

Hazard Overview

Target Organs:

Eyes

Primary Entry Routes:

Eyes. Ingestion.

Acute Health Hazards:

Causes severe eye irritation.

Chronic Health Hazards:

None known

Signs and Symptoms of Overexposure

Eye Contact:

Causes severe eye irritation.

Skin Contact:

Not a hazard under normal use conditions.

Ingestion:

May be harmful if swallowed.

Inhalation:

Not a hazard under normal use conditions.

4. FIRST AID MEASURES

Eye Contact:

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Skin Contact:

Wash with soap and water.

Ingestion:

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:

No specific treatment is necessary since material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

5. FIRE FIGHTING MEASURES

Flash Point (°F):

268

Extinguishing Media:

All standard firefighting media

Unusual Fire/Explosion Hazards: Unknown

Special Protective Equipment:

Fire fighters should wear full protective clothing, including self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:

Use appropriate protective equipment.

Procedure for Cleaning/Absorption:

Contain spill with sand or other inert materials.

7. HANDLING AND STORAGE

Handling:	Do not get in eyes. Wash thoroughly with soap and water after handling. May produce sensitization to damaged exposed skin (See Toxicological Section 11). Wear appropriate PPE.
Storage:	Keep containers tightly closed when not in use. Store in a cool, dry place, out of direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use in a well ventilated area.
Respiratory Protection:	Wear a NIOSH approved respirator appropriate for airborne exposure at the point of use.
Hand Protection:	Use gloves as a standard industrial handling procedure.
Eye Protection:	Chemical goggles; also wear a face shield if splashing hazard exists.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear, colorless / Pale yellow
pH:	7.0-7.1 (0.1% SOLUTION)
Specific Gravity:	1.10
Boiling Point (°F):	>500
Melting Point/Freezing Point(°F):	< -76
Vapor Pressure:	<10 mmHg
Solubility:	Insoluble in water

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of handling, use and transportation.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Not determined.
Materials to Avoid:	Oxidizing agents.
Hazardous Decomposition Products:	Carbon dioxide. Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Toxicity Test:	
Acute Oral LD50 (mg/kg):	>5,600 (Methylparaben) >5,000 (Paraben mixture) 1,260 (Phenoxyethanol)
Acute Dermal LD50 (mg/kg):	14,422 (rabbit) (Phenoxyethanol)
Sensitization:	Human skin, undamaged, non-sensitizing. (Methylparaben) Human skin, damaged, sensitizing. (Methylparaben) Non-sensitizing to guinea pig skin (4% w/v solution). Human RIPT: Non-sensitizing (tested in dilution). (Paraben mixture) Human RIPT: Not a sensitizer (Phenoxyethanol)

Mutagenicity:	Non-mutagenic (Ames assay) (Methylparaben) Nonmutagenic (Dominant lethal assay) (Methylparaben). Nonmutagenic Ames assay with and without metabolic activation. (Phenoxyethanol)
Teratogenicity:	Non-teratogenic in rabbits dosed orally with 3-300 mg/kg methylparaben from gestation days 6-18. Non-teratogenic in rats and mice receiving 5-550 mg/kg methylparaben from days 6-18 of gestation.
Skin Irritation:	Mildly irritating to rabbit skin at 100%. (Methylparaben) Mildly irritating to rabbit skin. (Phenoxyethanol) Mildly irritating to rabbit skin (Paraben mixture)
Eye Irritation:	Practically non-irritating to rabbit eye. (100% Methylparaben) Severely irritating to rabbit eye (paraben mixture) Moderately irritating to rabbit eye. (Phenoxyethanol)
Other Information:	Photosensitization: Non-photosensitizing (Phenoxyethanol). Phototoxicity: Non-phototoxic/ Non-photoreactive. (Methylparaben)

12. ECOLOGICAL INFORMATION

Biodegradability:	Not determined.
Aquatic Toxicity:	No data is available on the adverse effects of this material on the environment.

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method:	Follow all applicable community, national or regional regulations regarding waste management methods.
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14. TRANSPORT INFORMATION

Land Transportation:

DOT (Non-Bulk):

DOT Shipping Name: NOT REGULATED

UN/NA Number: NONE

Hazard Class: NONE

DOT (Bulk):

DOT Shipping Name: NOT REGULATED

UN/NA Number: NONE

Hazard Class: NONE

Air Transportation (IATA):

Proper Shipping Name: NOT REGULATED

UN Number: NONE

Hazard Classification: NONE

Sea Transportation (IMO):

Proper Shipping Name: NOT REGULATED

UN/ID Number: NONE

Hazard Classification: NONE

ADR:

Proper Shipping Name: NOT REGULATED

15. REGULATORY INFORMATION

Classification:



Risk Phrases: R22 - Harmful if swallowed.
R41 - Risk of serious damage to eyes.

Risk Combination Phrases: R36/38 - Irritating to eyes and skin.

Safety Phrases: S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/39 - Wear suitable protective clothing and eye/face protection.

TSCA Inventory List: This product and/or its components is not listed on TSCA

California Proposition 65 Carcinogens & Reproductive Toxicity (CRT) List: None of the components of this product is listed on CALPROP.

Canada DSL Inventory List: This product and/or its components is listed on DSL.

Canada NDSL Inventory List: This product and/or its components is not listed on NDSL.

EU EINECS List: This product and/or its components is listed on EINECS.

EU ELINCS List: This product and/or its components is not listed on ELINCS.

Germany VCI Assigned Classification into Water Endangering Classes (WGK) List: This product and/or its components is not listed on WGK.

Japan Inventory of Existing & New Chemical Substances (ENCS): This product and/or its components is listed on ENCS.

Australia Inventory of Chemical Substances (AICS) List: This product and/or its components is listed on AICS.

16. OTHER INFORMATION

Prepared By: Product Stewardship

Legend: N.Av.= Not Available; N.Ap.= Not Applicable

Important Note:

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*****END OF MSDS*****