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MATERIAL SAFETY DATA SHEET

Section 1 - Company and Product Identification

Issued by: JEEN International Corporation
24 Madison Road
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Telephone # 973-439-1401
Date Prepared: 04/14/2009
Revision Date: 8/10/2011
Chemtrec Emergency Telephone No.: 800-424-9300
Chemtrec International Telephone No.: 703-527-3887 (Collect Calls Accepted)

Product: **JEECIDE P**
INCI: Phenoxyethanol, Methylparaben, Ethylparaben, Butylparaben, Propylparaben, Isobutylparaben
CAS#: 122-99-6, 99-76-3, 94-26-8, 94-13-3, 4247-02-3, 120-47-2

Section 2 – Composition/Information on Ingredients

<u>CAS NUMBER</u>	<u>CONTENT (W/W)</u>	<u>CHEMICAL NAME</u>
122-99-6	>= 99.0 - <= 100.0 %	2-Phenoxyethanol
99-76-3		Methylparaben
94-26-8		Butylparaben
94-13-3		Propylparaben
4247-02-3		Isobutylparaben
120-47-2		Ethylparaben

Section 3 - Hazardous Identification

Emergency overview

WARNING: CAUSES EYE IRRITATION
MAY CAUSE SKIN IRRITATION
MAY CAUSE RESPIRATORY TRACT IRRITATION
INGESTION MAY CAUSE GASTRIC DISTURBANCES
Avoid contact with the skin, eyes and clothing
Avoid inhalation of dusts/mists/vapours
Use with local exhaust ventilation
Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.
Wear NIOSH-certified chemical goggles
Wear protective clothing
Wear chemical resistant protective gloves
Eye wash fountains must be easily accessible

Potential health effects

Primary routes of exposure
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be route of entry for liquefied gases.

Section 4 – First Aid Measures

General advice:
Remove contaminated clothing.

Effect and Symptoms:

Ingestion: Harmful if ingested. Causes irritation.
Inhalation: Medical conditions not identified
Skin Contact: Severe irritation
Eye Contact: Severe irritation or burns.



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First Aid Measures/General Information

Ingestion: Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or have convulsions.
Inhalation: Remove the affected individual into fresh air and keep the person calm. Seek medical attention.
Skin Contact: Wash thoroughly with soap and water. If irritation develops, seek medical attention.
Eye Contact: Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Section 5 - Fire - Fighting Measures

Flash point:	approx. 120 deg C	(DIN 51758)
Auto ignition:	>200 deg C	(DIN 51794)
Lower explosion limit:	1.4 % (V)	
Upper explosion limit:	9.0 % (V)	

Suitable extinguishing media:

Water, dry extinguishing media, foam

Hazards during fire-fighting:

Harmful vapors
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

NFPA Hazard Codes:

Health: 2 Fire: 1 Reactivity: 0 Special:

Section 6 - Accidental Release Measures

Personal precautions:	Avoid contact with skin, eyes, and clothing. Use personal protective clothing.
Environmental Precautions:	Wear self-contained apparatus and protective clothing. Use water spray to reduce vapors. Take up with sand or other non-combustible substance and place in container for later use. Do not discharge into drains/surface waters/groundwater.
Clean Up:	Place absorbed material in the same container as the spilled substance/product for disposal.
For small amounts:	Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.
For large amounts:	Pump off product.
Further Information:	High risk of slipping due to leakage/spillage of product.

Section 7 - Handling and Storage

Handling:

General advice:	Prevent contact with air/oxygen (formation of peroxide).
Protection against fire and explosion:	Take precautionary measures against static discharges.

Storage:

General advice:	Containers should be stored tightly sealed in a dry place.
General storage:	Product may solidify at low temperature.
Storage incompatibility:	General: Segregate from food stuffs.



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Storage Stability:	May form explosive peroxides.
Temperature tolerance:	Protect from temperatures below: 15 deg C Characteristics of the product are reversibly changed when falling below the limit temperature.
Suitable Packing Materials:	HDPE Carboys/metal drums. Keep container tightly closed.
Not Suitable Packing Materials:	Not Applicable.

Section 8 - Exposure Controls/Personal Protection

Advice on system design:	All ventilation methods taken should correspond to the processing conditions.
<u>Personal protective equipment</u>	
Respiratory protection:	Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.
Skin and Body Protection:	Light protective clothing. Uniform and apron.
Hand Protection:	Chemical resistant protective rubber gloves.
Eye Protection:	tightly fitting safety goggles (chemical goggles) and face shield.
General safety and hygiene measures:	Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and

Section 9 - Physical & Chemical Properties

Form:	Liquid	Color:	Colorless
Odor:	Slightly characteristic	pH (1% Solution):	5.5 - 7
Melting Point:	14°C	Boiling Point:	244.9°C (DIN 53171)
Flash Point:	121°C	Lower Explosion Limit:	N/A
Upper Explosion Limit:	N/A	Density, gm/cm ³ :	1.10-1.15 (20 deg C)
Solubility in Water:	2.67 gm/100 ml	Solidification temp:	13 deg C
Vapor Pressure:	0.1hPa (20deg C)	Viscosity, dynamic:	30 mPa.s (20 deg C)
Partitioning Coefficient n- Otanol/water (log Pow):	1.16		

Section 10 - Stability and Reactivity

Conditions to Avoid:	Heat, flame and other sources of ignition. Avoid contact with air. Avoid moisture.
Materials to Avoid:	Do not subject to acidic pH and mineral acids. Strong oxidizing agents.
Hazardous Decomposition Products:	No hazardous decomposition products if store and handled as prescribed/indicated.
Corrosion to metals:	No corrosive effect on metal.
HMIS #:	1 - 1- 0 Health, Flammability, Reactivity

Section 11 - Toxicological Information

Acute oral toxicity	
A.	Oral (LD50) (Rat): 2000 mg/Kg.
B.	Dermal (LD50) (Rabbit): 2000 mg/Kg.
C.	Inhalation rat:/8 h(IRT) No mortality within the stated exposition time as shown in animal
Skin Irritation:	Rabbit: Non-Irritant (OECD Guideline 404)
Eye Irritation:	Rabbit: Irritant. (OECD Guideline 405)
Sensitization:	Guinea pig maximization test/guinea pig: Non-sensitizing. (OECD guideline 406)
Chronic Toxicity:	None identified
Carcinogenicity:	No

Section 12 - Ecological Information

Environmental fate and transport

Biodegradation:	
Test method:	OECD 301 a (new version)
Degree of elimination:	90 – 100% (15 d)
Evaluation:	Readily biodegradable (according to OECD criteria).

Environmental toxicity

Acute and prolonged toxicity to fish:	Golden orfe/LC50 (96h): >100 mg/l
Acute Toxicity to aquatic invertebrates:	EC50 (48h): >500 mg/l
Toxicity to aquatic plants:	EC50 (72h): >500 mg/l
Toxicity to microorganisms:	DIN 38412 Part 8 EC10 (17h): 320 mg/l OECD Guideline 209 activated sludge, Industrial/ EC20: > 100 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Do not release untreated into natural waters.

Other ecotoxicological advice:
Comment: Not Applicable
Ecotoxicity: Not Applicable

Section 13 - Disposal Considerations

Waste disposal of substance: It is the waste generators responsibility to determine if a particular waste is hazardous under RCRA. Dispose of in accordance with national, state and local regulations.

Container disposal: Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

Section 14 – Transport Information

UN Number: Not applicable

Land Road/Railway:

ADR/RID Class: Chemicals N.O.S. (non regulated)

ADR/RID Item Number: Chemicals N.O.S. (non regulated)

USDOT: Not classified as a dangerous good under transport regulations

Inland Waterways:

ADNR Class: Chemicals N.O.S. (non regulated)

Sea:

IMDG Class: Chemicals N.O.S. (non regulated)

Not classified as a dangerous good under transport regulations

IMDG Page Number: Chemicals N.O.S. (non regulated)

Air:

IATA – DGR Class: Chemicals N.O.S. (non regulated)

National Transport Regulations

Not classified as a dangerous good under transport regulations

Section 15 – Regulatory Information

Federal Regulations

Registration status: TSCA, US Released / listed

OSHA hazard category: Acute target organ effects reported, skin and/or eye irritant

SARA hazard categories (EPCRA 311/312):

SARA 313:

<u>CAS Number</u>	<u>Chemical name</u>
122-99-6	2-Phenoxyethanol

State Regulations

State RTK

<u>CAS number</u>	<u>Chemical name</u>	<u>State RTK</u>
122-99-6	2-Phenoxyethanol	NJ, PA

EC- Classification: Not Applicable

Label Name: Phenoxyethanol (JEECID E Phenoxy)

Hazard Symbols: Xn

Risk Phrases: R22 – harmful if swallowed and R36 – Irritating to eyes.

Safety Phrases: S26

Phenoxyethanol, CAS no 122-96-6 preservative. Listed in "Inventory" without restriction.

Section 16 – Other Information

HMIS III Rating

Health: 2 Flammability: 1 Physical Hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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