

ODOR SEAL↓ Biodegradable Industrial Odor Eliminator

ODOR SEAL↓ is a industrial odor eliminator and cleaner specifically formulated for eliminating odors by encapsulating and destroying the odor producing source and its vapor. ODOR SEAL↓ has also been recognized as an effective all purpose cleaner. ODOR SEAL↓ is water soluble and rapidly biodegradable. The concentrate can be used in power washing equipment, high pressure washers, and steam cleaners to wash, clean and eliminate all odor producing sources and areas.

Capabilities	
Cleaning Power:	Eliminates odor. Effectively cleans odor producing area. Particularly good when used with machine scrubbing, pressure washing, and steam cleaning equipment. Hot water enhances odor eliminating and cleaning power.
Applications:	Use in sewage treatment, landfills, restrooms, portable toilets, garbage dumpsters and trucks, on boats, in stables, on farms, in locker rooms, spas, use to eliminate smoke and pet odors; spray directly onto the odor producing source and/or spray into air to destroy any airborne odors..
Oil Emulsification:	Slight. Oil molecules do not form a tight emulsion with the cleaning solution.
Dispersant Capability:	Low.
Residue:	No residue after rinsing.

Characteristics	
pH:	8.6 – 8.9 in concentrate form.
Flash Point:	Negligible.
Boiling Point:	Greater than 212°F.
Odor:	Mild fresh scent. Does not contain d-limonenes.
Water Solubility:	Complete.
Shelf Life:	Indefinite when stored in closed containers between 32°F and 120°F.

Environmental and Safety Considerations	
Biodegradability:	100%.
Hazardous Components:	No components are listed in the NIOSH Recommendations for Occupational Health Standards, 1988, or are defined as hazardous by SARA, CERLA, or RCRA. No OSHA PEL's are established for ingredients.
Handling:	Prolonged contact with product may cause slight dryness of the skin.
Disposal:	Cleaner itself may be disposed through municipal systems. Oil cleaned from surfaces must be disposed following local regulations.

MATERIAL SAFETY DATA SHEET

JG INDUSTRIES, INC.
272 Rt. 46, Rockaway, N.J.
Tel: (973) 627-0722 Fax: (973) 627-2982

ODOR SEAL↓**SECTION I - IDENTIFICATION**

Manufacturer: JG Industries, Inc.
Address: 272 Route 46, Rockaway, N.J. 07866
Phone: (973) 627-0722 **Fax:** (973) 627-2982
Date Prepared: January 4, 2014 **Formulation #:** JG200
Trade Name: **ODOR SEAL**↓
Product: Industrial odor eliminator and degreaser.

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

<u>Ingredients (CAS)</u>	<u>Percent</u>	<u>OSHA PEL/TLV</u>
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Components are classified trade secret. No components are believed to be hazardous, or listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PEL's are established for any of the ingredients.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	212°F	Vapor Pressure (mm Hg):	1.0 @ 20°C
Solubility in water:	100%	Specific Gravity:	1.02 @ 60°F
pH:	7.5 (concentrate)	Appearance and Odor:	Clear in color. Fresh scent. (Note: No d-limonenes.)

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point:	Not applicable.	Flammable Limits:	Not applicable.
LEL:	Not applicable.	UEL:	Not applicable.
Extinguishing Media:	Not applicable.		
Special Fire Fighting Procedures:	Not applicable.		
Unusual Fire and Explosion Hazards:	None.		

SECTION V - REACTIVITY DATA

Stability:	Stable.	Incompatibility:	None.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide.		
Hazardous Polymerization:	Will not occur.		

SECTION VI - HEALTH HAZARD DATA

Exposure Limits			
OSHA PEL:	Not established.	ACGIH TEL:	Not established.

Routes of Entry			
Inhalation:	Yes	Skin:	Yes
		Ingestion:	Yes

Signs and Symptoms of Exposure

Eyes:	Odor Seal is not considered an ocular irritant.
Skin:	Odor Seal is not considered to be a dermal irritant.
Inhalation:	Negligible.
Ingestion:	Odor Seal is not considered to be orally toxic.

First Aid

Eyes:	Flush eyes with water for 1 minute.
Skin:	Rinse affected area with water.
Inhalation:	Negligible.
Ingestion:	Drink water.

Carcinogenicity

NTP?	No	IARC?	No	OSHA Regulated?	No
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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or Leak Procedures

Rinse affected area with water.

Waste Disposal Method

Dispose as non-hazardous waste in accordance with local regulations.

Storage and Handling Precautions

Store between 32°F and 120°F in closed container to prevent evaporation. Freezing will not damage material as long as container remains intact.

Other Precautions

Product is a strong and effective cleaner and encapsulator of hydrocarbons. Although components have no hazard levels, the product has a strong base and will remove oils from the skin. Avoid prolonged skin contact.

SECTION VIII - CONTROL MEASURES

Respiratory Protection

In confined spaces, use respirator appropriate to odor being eliminated or odor producing source being sprayed; otherwise none.

Ventilation

Under ordinary conditions of use for its intended purpose, no special ventilation is required.

Protective Gloves

Wear when working with bulk applications and there is prolonged probability of skin contact, otherwise none.

Eye Protection

Wear if needed to prevent reasonable probability of eye contact.

Work/Hygienic Practices

Do not ingest, do not splash into eyes, and do not inhale for prolonged periods as with any chemical compound.

SECTION IX - HAZARD CLASSIFICATION

IMO Hazard Class and Number: Non-hazardous.

UN Number: Not applicable.

US DOT Hazard Class: Not regulated by DOT

US DOT Identification Number: Not applicable.

SECTION X - REGULATORY INFORMATION

EPA SNAP: Significantly New Alternative Policy Program Listed.

HMIS Rating: Health: 0

Flammability: 0

Reactivity: 0

SECTION XI - ENVIRONMENTAL DATA

Biodegradability: Product is 100% biodegradable in an active environment within 21 days.

Toxicity: Testing is a 96 hour static non-renewal test, using mysidopsis babia, showed less than 5% mortality at a concentration of 338 ppm. Estimated LC50 > 2,500 ppm.

The information presented in this MSDS is believed to be factual. However, nothing contained in this information is to be taken as a warranty of any kind by JG Industries Incorporated. The user should review any recommendations, in the specific context of the intended use, to determine whether they are appropriate.