

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Oil Spot Seal
Synonyms: None
CAS Number: Blend

Company Identification

Reed & Graham, Inc.
690 Sunol Street
San Jose, CA 95126 USA
408-287-1400 (For product information)
800-424-9300 CHEMTREC (For emergencies)

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
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WATER	< 50.0 %	7732-18-5
COPOLYMER	< 50.0 %	mixture
CARBON BLACK	< 0.02 %	1333-86-4
SURFACTANT	< 0.002 %	non-hazardous

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

COMPOSITION COMMENT:

Concentration values are typical and may vary. All known pertinent hazards are addressed in this MSDS.

HAZARDS DISCLOSURE:

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains materials that are categorized as delayed health hazards.

MISCELLANEOUS:

This material does not have established exposure limits.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW / CAUTION

May cause skin and eye irritation. Dilute with water. For hot product, immediately immerse in or flush the affected area with large amounts of cold Water to dissipate heat. Do not allow material to completely dry. Fumes from heated material may be irritating. Aspiration hazard if swallowed – can cause lung damage.

NFPA Rating -	Health:	1
	Flammability:	0
	Reactivity:	0
	Special Hazard:	None

POTENTIAL HEALTH EFFECTS

EYE:

Direct contact may cause slight eye irritation.

SKIN:

Avoid prolonged or repeated contact with skin. Prolonged or repeated contact may cause slight skin irritation.

INHALATION:

Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause headache, nausea and/or irritation of the nose, throat and lungs.

INGESTION:

Substance may be harmful if swallowed. Irritating to mouth, throat, and stomach.

SIGNS AND SYMPTOMS OF EXPOSURE:

Headache, nausea, slight skin, eye and/or respiratory irritation.

CHRONIC EFFECTS:

Ingredients have been listed by the International Agency for Research on Cancer (IARC) as possible cancer causing agents.

CARCINOGENICITY INFORMATION:

Refer to Section 15.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None known.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Wash skin with soap and water. Wear protective gloves to minimize skin contamination. Consult a physician if irritation persists.

INHALATION FIRST AID:
Move subject to fresh air.

INGESTION FIRST AID:
If swallowed, give two glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
COC Flash Point: None
TCC Flash Point: None
Auto Ignition Temperature: N/A

FLAMMABLE LIMITS IN AIR
LEL: N/A
UEL: N/A

FLAMMABLE PROPERTIES:
Product is a non-combustible aqueous solution.

EXTINGUISHING MEDIA:
Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING INSTRUCTIONS:
As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

COMBUSTION PRODUCTS:
Non-combustible.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):
Appropriate protective equipment must be worn when handling a spill of this material. See Section 8, Exposure Controls/Personal Protection for recommendations. If exposed to material during clean-up operations, see Section 4, First Aid Measures for actions to follow.

INITIAL CONTAINMENT:
Keep spectators away. Surface may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth).

LARGE SPILLS PROCEDURE:
Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Exposure Controls/Personal Protection. Contain liquid to prevent further contamination of soil, surface water or groundwater. Large spillage should be dammed-off and pumped into containers.

SMALL SPILLS PROCEDURE:
Absorb spills with inert material.

7. HANDLING AND STORAGE

STORAGE CONDITIONS:

Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 1 °C/34 °F. The maximum recommended storage temperature for this material is 49 °C/120 °F.

HANDLING (PHYSICAL ASPECTS):

Monomer vapors can be evolved if material is heated. See Exposure Controls/Personal Protection, for types of ventilation required. This material may contain residual levels of vinyl acetate monomer and acetaldehyde. Lack of adequate ventilation may result in airborne levels of vinyl acetate monomer and/or acetaldehyde above established exposure limits in the workplace. Monitoring the workplace to determine actual vinyl acetate/acetaldehyde levels is recommended.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT INFORMATION:

COMPONENT	CAS REG NO	WEIGHT %	OSHA TWA (ppm)	OSHA STEL (ppm)
Vinyl acetate / acrylic copolymer	Not Hazardous	< 25.0	None	None
Individual acrylic monomers	Not Required	< 0.05	Not Required	Not Required
Vinyl acetate	108-05-4	< 0.25	10	20
Acetaldehyde	75-07-0	< 0.05	100	150
Water	7732-18-5	< 25.0	None	None
Carbon black	1333-86-4	< 0.02	None	None
Surfactant	Not Hazardous	< 0.002	None	None

RESPIRATORY PROTECTION REQUIREMENTS:

When there is potential for airborne exposures in excess of applicable limits a respiratory protection program meeting OSHA 1910.134 must be followed.

ENGINEERING CONTROLS:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. In areas where ventilation is not sufficient to maintain atmospheres below the TWA/STEL, use local exhaust ventilation.

EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, wear chemical splash goggles.

SKIN PROTECTION REQUIREMENTS:

Selection of specific items such as gloves, boots, apron, or full-body suit will depend on operation and potential exposure. Neoprene is the most suitable personal protection equipment material.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Black, opaque
ODOR:	Sweet Odor
BOILING POINT:	100 C @ 760 mm Hg
VAPOR PRESSURE:	17 mm HG@ 20 C/68 F Water
VAPOR DENSITY:	<1 Water (Air = 1)
SOLUBILITY IN WATER:	Dispersible
SPECIFIC GRAVITY:	1.0 - 1.2 (Water = 1)
MELTING/FREEZING POINT:	0 C/ 32 F Water
pH:	4.5-5.5
% VOLATILES:	> 50% Water

10. STABILITY AND REACTIVITY

STABILITY:

This compound is stable at ambient conditions. Avoid temperatures above 177 C/350 F. Thermal decomposition is dependent on time and temperature.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

None known.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly. Thermal decomposition may yield the following: acrylic monomers – vinyl acetate monomer.

CONDITIONS TO AVOID:

Avoid extreme temperatures.

11. TOXICOLOGICAL INFORMATION

The toxicity data listed are typical.

Oral LD50 – rat: > 5000 mg/kg
Dermal LD50 – rabbit: > 5000 mg/kg
Skin Irritation – rabbit: slight to moderate
Eye Irritation – rabbit slight to moderate

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Avoid disposal into waste water treatment facilities.

CONTAMINATED MATERIALS:
Treat as product waste.

CONTAINER DISPOSAL:
Unclean empty containers should be disposed of in the same manner as the contents.

14. TRANSPORTATION INFORMATION

D.O.T. HAZARD CLASS: Non-Hazardous

15. REGULATORY INFORMATION

WHMIS Hazard:
Controlled Product

SARA Title III – Section 311/312
This product is categorized as a delayed health hazard.

SARA Title II – Section 313
This product contains a chemical which is listed in Section 313 at or above de minimis concentrations. The following listed chemical is present: vinyl acetate (108-05-4).

CERCLA Hazardous Substances
This material contains no hazardous or extremely hazardous substances as defined by CERCLA or SARA Title III, and releases are therefore not reportable.

RCRA Hazardous Substances
This material as supplied does not meet the RCRA characteristic definition of ignitability, corrosivity or reactivity. The toxicity characteristic (TC) has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

TSCA Chemical Substances Inventory
All components of this product are listed.

California Proposition 65
This product contains one or more chemicals known to the State of California to cause cancer and/or reproductive harm.

16. OTHER INFORMATION

REASON FOR ISSUE: Update
PREPARED BY: Eric Richard
APPROVED BY: Mozammel Haq
TITLE: Environmental Compliance & Risk Manager
APPROVAL DATE: August 14, 2007
SUPERCEDES DATE: August 19, 2003

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END OF MSDS