

MATERIAL SAFETY DATA SHEET

IDENTITY (As used on label and list) TURBO SEAL - SERIES 55 – BROWN FINE THREERADS HYDRAULIC SEALANT	Part Numbers for this MSDS: 55-050
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SECTION I

Manufacturer's Name Palm Labs., Inc	Emergency Telephone Number 1-800 964-6660
Address 10 Office Way Hilton Head, SC, 29928	Telephone Number For Information. 1-843 686-2345
	Date Prepared 11/19/12
	Signature of Preparer (optional)

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS #	% Wt.	ACGIH	TLV	OSHA PEL
Polyglycol Dimethacrylate	25852-47-5	60 – 100	None	None	None
Polyglycol Oleate	9004-96-0	10 – 30	None	None	None
Saccharin	81-07-2	1 – 5	None	None	None
Cumene Hydroperoxide	80-15-9	1 - 5	None	None	None
Propylene Glycol	57-55-6	1 – 5	None	None	None

SECTION III - Physical/Chemical Characteristics

Appearance and Odor Brown liquid, mild odor	Vapor Pressure(mm/Hg.) < 5 mm Hg 1 @ 27° C
pH: Na	Vapor Density (air=1) Not Established
Boiling Point > 149° C	Solubility in Water (by weight) Slight
Melting Point Na	Evaporation Rate Na
Specific Gravity 1.1 at 23.9° C	VOC Content 4.39%, 48.6 grams/liter (EPA Method 24)

SECTION IV - Fire And Explosion Hazard Data

Flash Point (Method Used) > 93°C (Cleveland Closed Cup)	Hazardous Decomposition: Oxides of carbon, sulfur, nitrogen. Irritating organic vapors.
Autoignition Temperature Na	Unusual Fire/Explosion Hazards None
Flammable/Explosive Limits (lower/upper) 2.6% - 12.5% (propylene glycol)	Special Fire Fighting Procedures None
Extinguishing Media Foam, Dry Chemical, Carbon Dioxide. .	

SECTION V - Reactivity Data

Stability	Unstable		Conditions To Avoid
	Stable	X	At normal temperatures. Avoid elevated temperatures, sources of ignition, direct sunlight, and low oxygen environments.
Incompatible Materials to Avoid			Strong oxidizing agents, free radical initiators, strong reducing agents.n Alkalis. Oxygen scavengers. Other polymerization initiators. Copper. Iron. Zinc. Aluminum. Rust.
Hazardous Decomposition Or Byproducts			
Hazardous Polymerization	May Occur		Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.
	Will Not Occur	X	

SECTION VI - Health Hazard Data

Routes of Entry	Inhalation?	Skin?	Eyes?	Ingestion
	yes	yes	yes	no
HMIS:	Health	Flammability	Reactivity	PPE
	1	1	1	H
First Aid Measures:	Inhalation: May cause respiratory tract irritation. Remove to fresh air. If symptoms develop and persist, get medical attention. Skin Contact: May cause allergic skin reaction or irritation. Remove contaminated clothing and shoes. Wash with soap and water. Get medical attention if symptoms occur. Eye Contact: Will cause eye irritation. Flush with copious amounts of water, preferably lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention. Ingestion: Not expected to be harmful by ingestion. Do not induce vomiting. Keep individual calm and seek Medical attention.			

SECTION VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Do not allow spill to enter drains and watercourses. Adsorb in inert material such as sand or adsorbant granules. Store in partially filled, closed container to await transfer.

Precautions to be Taken in Handling and Storing

Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.

For safe storage, store at or below 38° C (100° F). Keep in cool, well-ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

Personal Protection / Exposure Controls

No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.

Use NOISH approved respirator if there is potential to exceed exposure limits.

Use impermeable gloves (neoprene, butyl rubber or natural rubber) and protective clothing as necessary to prevent skin contact.

Wear safety glasses with side shields or safety goggles.

SECTION VIII – Toxicological Information

Component	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Polyglycol Dimethacrylate	No	No	No
Polyglycol Oleate	No	No	No
Saccharin	No	No	No
Silica, amorphous, fumed, crystalline-free	No	No	No
Cumene Hydroperoxide	No	No	No
Propylene Glycol	No	No	No

SECTION IX – Transport Information

U.S. Department of Transportation Ground (49 CFR):	
Proper shipping name	Unrestricted
Hazard class or division	None
Identification Number	None
Packing Group	None
International Air Transportation (ICAO/IATA):	
Proper shipping name	Unrestricted
Hazard class or division	None
Identification Number	None
Packing Group	None
Water Transportation (IMO/IMDG):	
Proper shipping name	Unrestricted
Hazard class or division	None
Identification Number	None
Packing Group	None
Marine pollutant	None