

**DAS - Diversified Aqua Seal**  
Material Safety Data Sheet

**SECTION I: PRODUCT IDENTIFICATION & USE**

Product Identification: Diversified Aqua Seal  
Product Use: Water activated polyurethane resin  
Diversified Products Mfg, Inc  
5523 Baggett Marysville Rd  
Oroville, CA 95965  
Phone: 530-534-5366 Fax: 530-534-7404

**EMERGENCY RESPONSE– Infotrac # (800)535-5053**

**SECTION II: INGREDIENTS**

INGREDIENT	PERCENT	CAS#	LD <sub>50</sub> OF INGREDIENT
Diethyl Glycol Ether Acetate	TS	112-15-2	11.0 g/kg Oral rat
4,4, Diphenylmethane Diisocyanate	TS	101-68-8	Greater than 30 g/kg Oral rat
Polyalkyleneoxidimethylsiloxane Copolymer	TS	68937-54-2	
Polyether Polyol	TS	9082-00-2	Greater than 10,000 mg/kg Oral rat

TS – Trade Secret

**SECTION III: PHYSICAL DATA**

Physical State:	Liquid		
Odor & Appearance	Pale Amber, liquid. Low aromatic		
Odor Threshold (ppm)	0.39 ppm (MDI)		
Boiling Point	500° F		
Freezing Point:	N/E		
Vapor Pressure mmGH (@20° C)	N/A		
Vapor Density (Air=1)	N/A		
Evaporation Rate:	N/Av		
PH:	N/A		
Specific Gravity (H2O=1):	1.04		
Coeff. Water/Oil Base	Unknown		
N/A – Not applicable	N/Av – Not Available	N/D – Not determined	N/E – Not established

**SECTION IV: FIRE & EXPLOSION HAZARD DATA**

Flammability: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes, under which conditions?	
Means of extinction:	Water fog, carbon dioxide or dry chemicals.
Flashpoint & method	270° F Tag C.C. Method
Upper UEL:	Not determined
Lower UEL:	Not determined
Autoignition temperature	600° F
Hazardous combustion products:	Carbon monoxide, nitrogen oxides, carbon dioxide
Sensitivity to impact:	None
Sensitivity to static discharge:	None

**SECTION V: REACTIVITY DATA**

<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	
If unstable, under what conditions?	
Incompatibility with other substances?	Yes: Water, amines, strong bases.
Reactivity, and under what conditions?	Yes: Storage of open or sealed containers in moist or wet environments.
Hazardous decomposition products?	None:

**SECTION VI: TOXICOLOGICAL PROPERTIES**

<input checked="" type="checkbox"/> Skin contact <input checked="" type="checkbox"/> Eye contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion <input type="checkbox"/> Skin absorption	
Effects of acute exposure to product:	Skin rash and sensitization of fair skin persons.
Effects of chronic exposure to product:	Lung irritation and emphysema. Skin reaction
Exposure limits:	0.02 PPM ceiling (MDI)
Irritancy of product:	Yes
Sensitization to product:	Yes
Carcinogenicity:	No
Teratogenicity:	None
Reproductive toxicity:	None
Mutagenicity:	None
Synergistic products:	None
OSHA regulated:	No

## SECTION VII: PREVENTATIVE MEASURES

### Personal Protective Equipment:

Gloves:	Nitrile rubber gloves.
Respirator (specify)	NIOSH/MSHA self contained in OSHA defined closed space.
Eye (specify)	Chemical splash guard goggles.
Footwear (specify)	Boots
Clothing (specify)	Impervious clothing.
Others (specify)	
Engineering Controls:	Provide sufficient ventilation to maintain exposure below TLV

Handling Procedure: Use only in well ventilated areas unless recommended respiratory protection is used. Keep body contact and splash to a minimum. Do not cut empty steel drums with a welding torch.

Leak & Spill Procedure: Cover spill with absorbent material, remove from surface and place in open container. Add equal parts of water to spill; mix until foaming begins, allow material to cure for 48 hours in open space.

Waste Disposal: **Small Spill:** Remove material and treat as instructed for leak and spill procedure. Allow sufficient time for material to completely cure. Dispose of remaining material in accordance with applicable regulations. Because cured material is inert it may be disposed of in a sanitary land fill. Check with local, State and Federal regulations.  
**Large Spill:** Remove material and treat as instructed for leak and spill procedure or destroy by liquid incineration. Contaminated absorbent may be disposed in a landfill in accordance with local, State and Federal regulations.

Handling procedures & equipment: Store containers upright, avoid eye and skin contact.

Storage Requirements: Store at 50° F to 100° F

Shipping Instructions: None

## SECTION VIII: FIRST AID MEASURES

### Specific Measures:

EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower lids occasionally. Obtain immediate medical attention.

SKIN: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Consult a physician if irritation develops.

INGESTION: Do Not Induce Vomiting. Give victim large amounts of water to drink. Keep person warm, quiet and seek medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

INHALATION: If affected, move individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and seek immediate medical attention.

## SECTION IX: OTHER INFORMATION

### nfpa , npca -hmis

npca -hmis Rating

Health: 1

Flammability: 1

Reactivity: 1

## SECTION X: PREPARATION DATE OF MSDS

Prepared by: Technical Service Department

Date: May 1, 2002

Phone: 936-372-9185