

# Material Safety Data Sheet

## SECTION 1- PRODUCT IDENTIFICATION

Product Name: <b>Gulf-O-Seal 81-10 GLUE</b>		Manufacturer's Name:
Product Description: <b>Synthetic based one component adhesives</b>		Address:
Solid/ Liquid/ Gas: <b>Liquid</b>	HS Code: <b>35069999</b>	Technical Name: <b>Solvent Based Adhesive</b>

## SECTION 2- COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	% W
N-Hexane	110-54-3	20
Toluene	108-88-3	35
C14-17, Chlorinated Paraffin	85535-85-9	4
Styrene Butadiene Rubber	9003-55-8	15
Hydro Carbon Resin – C9	64742-16-1	26

## SECTION 3- HAZARD IDENTIFICATION

Emergency Overview: Extremely flammable, Can cause eye irritation and skin irritation Hazard Classification : Unless N-Hexane, Toluene, and this product does not contain toxic chemical

### PRECAUTIONARY STATEMENTS:

- **Prevention:** Avoid contact with skin and eyes. Avoid breathing vapors. Use personal Protective equipment as required. Keep away from heat/sparks/open flames / hot surface. – No smoking.
- **Response:** **IF INHALED:** Remove person to fresh air and keep comfortable for Breathing.  
**IF ON SKIN:** Wash with plenty of soap and water.
- **Disposal:** Dispose contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

## SECTION 4- FIRST AID MEASURES

- **INHALATION**  
Move to fresh air, restore breathing. If necessary call a physician if symptoms persist.
- **SKIN CONTACT**  
Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persist.
- **EYE CONTACT**  
Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent
- **SEALLOWED**  
Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give any thing by mouth to an unconscious person. Induce vomiting as a lat measures. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

# Material Safety Data Sheet

- **NOTE TO PHYSICIAN**  
Treatment is symptomatic.

## SECTION 5- FIRE FIGHTING MEASURES

FLASH POINT	: 22o c, 68f
AUTOIGNITION TEMPERATURE	: No data available
FLAMMABLE LIMITS-LEL (% IN AIR)	: Not applicable
FLAMMABLE LIMITS-UEL (% IN AIR)	: Not applicable
EXTINGUISHING MEDIA	: Use water spray, foam, dry chemical or carbo dioxide
UNUSUAL FIRE AND EXPLOSION HAZARDS	: Vapors are heavier than air and can travel to a source of ignition and flash back
SPECIAL FIRE FIGHTING INSTRUCTION	: Person exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment
HAZARDOUS COMBUSTION PRODUCTS	: Carbon dioxide, carbon monoxide, chlorine containing gases.
EXPLOSION HAZARDS	: Vapors may form explosive mixture with air.

## SECTION 6- ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

- Avoid contact with skin and eyes.
- Ensure adequate ventilation.

### Environment precautions:

- Do not let product to enter water sources, sewers and drains.
- Notify authorities in the event of major spillages in accordance to local regulations.

### Containment and Clean Up Procedures:

- Wipe, scrape or absorb the spillage with suitable inert material.
- Avoid contact with skin or inhalation of spillage or vapor.
- Remove to safe space as spillage of uncured product may cause slippery surface.
- Wash the floor with plenty of water.
- Do not empty into drains.
- Transfer to a closed container for disposal.
- Wear protective equipment as specified in Section 8.

### Prevention of Second Disaster:

- Absorbed waste maybe disposed as per local government regulations.

## SECTION 7- HANDLING & STORAGE

### Precautions for Safe Handling:

- Mildly irritating material avoids unnecessary exposure, keep away from heat, sparks and flame. Wash thoroughly after handling. Keep container closed. Drums of this material should be grounded when pouring. Do not cut or weld on or near this container. This product contains as ingredient that may release formaldehyde at heated cure temperatures.

### Storage:

Store in a cool, dry, ventilated location. Keep away from heat, sparks, flames and other sources of ignition. Keep container closed.

# Material Safety Data Sheet

## SECTION 8- EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Engineering Controls:

- Proper ventilation is recommended for controlling exposures.
- Local exhaust is preferred.

### Respiratory Protection:

- Use appropriate respirator unless local exhaust ventilation is sufficient.

### Hand Protection:

- Wear impermeable chemical protective gloves while handling this material.

### Eye Protection:

- If risk of splashing, wear safety goggles with side shields.

### Other Protective Equipment:

- Wear suitable protective clothing such as aprons against splashing and contamination.

### Work/Hygienic Practices:

- When using, do not eat, drink or smoke.
- Wash at the end of each work shift and before eating.
- Wash hands thoroughly after handling.
- Contaminated shoes and clothing should be removed after handling and washed thoroughly before reuse.

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	: LIQUID
COLOUR	: GREEN
ODOR	: SOLVENT
SOLUBILITY	: TOLUENE
DENSITY	: 0.8 ± 0.1
SOLID CONTENT (% by weight)	: 20%
VOC (% by weight)	: 490 g/L
ODOR THRESHOLD	: NOT ESTABLISHED
BOILING POINT	: NOT ESTABLISHED
FREEZING POINT	: NOT ESTABLISHED
MELTING POINT	: NOT ESTABLISHED
VAPOR PRESSURE (mm Hg)	: NOT ESTABLISHED
VAPOR DENSITY	: NOT ESTABLISHED
EVAPORATION RATE	: NOT ESTABLISHED

## SECTION 10- STABILITY AND REACTIVITY

STABILITY	: Stable under normal conditions
HAZARDOUS POLYMERIZATION	: Will not occur
HAZARDOUS COMBUSTION PRODUCTS	: CO <sub>2</sub> , CO, chlorine containing gases.

# Material Safety Data Sheet

## SECTION 11- TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50/LC50
Hexane	Oral LD 50 Rat = 28710 mg / kg Inhalation LC50 Rat = 48000 ppm/4H
Methyl cyclopentane	Not established
Toluene	Oral LD50 Rat=636 mg/kg Inhalation LC50 Rat = 49000 mg/cu m/4H Dermal LD50 Rabbit = 14.1 ml/kg
Heptanes	Inhalation LC50 Rat = 103000v mg/cu m/4H
Chlorinated paraffin	Oral LD50 Rat >21500ml/kg Dermal LD50 Rabbit > 10ml/kg
Cyclohexane	Oral LD50 rat =12705 mg/kg
Calcium carbonate	Oral LD50 Rat=6250mg/kg

## SECTION 12- DISPOSAL CONSIDERATION

This product meets the definition of hazardous waste. It is ignitable waste class D001.  
Disposal via incineration is recommended.  
Land disposal restrictions : Toluene.

## SECTION 13- TRANSPORT INFORMATION

DANGEROUS GOOD CLASS : 3  
 PROPER SHIPPING NAME : Gulf O Seal 81-10 Glue  
 SPECIFIC GRAVITY :  $0.8 \pm 0.1$   
 SOLID (% BY WEIGHT) : 20.3  
 EPG NO : 3C1