



# SAFETY DATA SHEET

## INDUSTRIAL ADHESIVE

DELTA INDUSTRIAL ADHESIVE

### Section 1: Identification

Product Name: INDUSTRIAL ADHESIVE

Relevant identified uses of the substance or mixture and uses advised against Identified uses: Adhesive.

Supplier/Manufacture: Momtaz Bell Gostar  
No 11, baghestan Alley, Namaz sq., Shahriar, Iran, 3351133022.

Phone: +98 21 62773\* Fax: +98 2165225197 \*  
Email: info@deltaadhesive.com

In Case of Emergency: +98 21 62773  
(office hours only)

### Section 2: Hazardous Identification

Hazard Classification:

Signal Word: No signal word

GHS: Not a dangerous substance according to GHS

Precautionary statement: Inhalation:  
May cause moderate irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Eyes:  
Vapor and/or mist may cause eye irritation. Direct contact may cause temporary redness and discomfort.

Skin:  
May cause moderate irritation.

Ingestion:  
May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.

Aggravated Medical Conditions Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

Target Organs: Skin, Eye, Lung, Liver, Kidney, Nerve, Reproductive

Other hazards: None.



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**Section 3: Composition/Information on Ingredients**

Substance/Mixture:

Chemical Name	Weight%
Polychloroprene Synthetic Rubber	10 – 25
Resin	3.0 - 7.0
White spirit	20 - 40
Toluene	10 – 30
Aceton	1.0 -10
MEK	0.0 - 5.0
Other Components	1.0 - 10

**Section 4: First-Aid Measures**

Get immediate medical attention for any significant overexposure.

Description of Necessary First-Aid Measures:

**Inhalation:**  
Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Skin:**  
Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

**Eyes:**  
Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.

**Ingestion:**  
Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

Description of Symptoms/Effects (both acute and delayed) & Symptoms of Overexposure: Get immediate medical attention for any significant overexposure.

Indication of Immediate Medical Attention & Special Treatment Needed, If Necessary: Immediate / special treatment: Not applicable.



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### Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products	Smoke, fumes. Carbon monoxide and carbon dioxide can form. Nitrogen oxides can form.
Specific Hazards Arising from the Chemical:	Not applicable.
Special Protective Actions for Fire-Fighters:	Advice for fire-fighters: Use accepted firefighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water may be used to cool containers to minimize pressure build-up.
Fire and explosion conditions	Vapor concentrations in enclosed areas may ignite explosively. Product may ignite if heated in excess of its flash point. Vapors may travel to sources of ignition and flashback. Closed container, may burst when exposed to extreme heat. Empty containers may contain ignitable vapors.

### Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment & Emergency Procedures:	Spilled material may cause a slipping hazard. Avoid contact with material. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. For additional information, refer to Section 8: Exposure Controls & Personal Protection.
Environmental Precautions:	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Contain spill and keep out of water courses. Ventilate area. For additional information, refer to Section 12: Ecological Information.
Methods & Materials for Containment & Clean Up:	Contain spilled material if possible. Sweep up. Transfer to a closable, labelled salvage container for disposal by an appropriate method. For additional information, refer to Section 13: Disposal Considerations.

### Section 7: Handling & Storage

Precautions for Safe Handling:	No special precautions necessary. Observe good housekeeping practice. Prevent inhalation of vapor, ingestion, and contact with skin, eyes and clothing.
Conditions for Safe Storage:	Keep container closed when not in use. Precautions also apply to emptied containers. To prevent generation of static discharges, use Bonding/grounding connection, when pouring liquid. Extinguish all ignition sources including pilot lights, no explosion proof motors and electrical equipment until vapors dissipate. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Store in sealed containers in a cool, dry, ventilated warehouse location.

### Section 8: Exposure Controls & Personal Protection



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Exposure Limits: Contains no substances with occupational exposure limit values.

Engineering Controls: Safety shower and eye bath. Where the product is dried or sprayed, local extraction is recommended. Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Personal Protective Measures: Use professional judgment in the selection, care, and use. Inspect and replace equipment at regular intervals.

Respiratory: Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use and apply normal dust masks.

Hand: Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.

Eye: Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.

Skin: Personal protective equipment for the body should be selected based on the task being performed and the risk involved.

Hygiene Measures: Wash thoroughly with soap and water after handling. Do not eat, drink or smoke when handling product.

### Section 9: Physical & Chemical Properties

Physical State:	liquid
Color:	Yellow
Odor:	Aromatic solvent
Odor Threshold:	Not Available
pH:	Not Available
Melting Point:	Not Available
Boiling Point:	231 °F, 111 °C
Flash Point:	40 °F, 4 °C
Evaporation Rate:	Not Available
Flammability (solid, gas):	Not Available



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Lower & Upper Flammability/Explosive Limits:	Not Available
Vapor Pressure:	68 hPa
Vapor Density:	Not Available
Relative Density:	Heavier than air
Solubility:	Negligible in Water
Partition coefficient: n-octanol/water:	Not Available
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Specific gravity	0.82
Volatile weight:	75 %

### Section 10: Stability & Reactivity

Reactivity:	Stable under recommended transport or storage conditions.
Chemical Stability:	Stable under normal conditions. Avoid welding arcs, flames or other high temperature sources.
Possibility of Hazardous Reactions:	Under normal conditions of storage, transport and use, hazardous reactions will not occur.
Conditions to Avoid:	None.
Incompatible materials:	Oxidizing agents. Strong acids. Strong bases.
Hazardous Decomposition Products:	Not applicable. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11: Toxicology Information

Containing Toluene (Cas No: 108-88-3)

Acute Toxicity:

Oral LD50: 2,600 - 7,500 mg/kg ( Rat ) 5,000 mg/kg ( Rat )

Inhalation LC50: 26,700 mg/l for 1 h ( Rat ) 400 mg/l for 24 h ( Mouse ) 5,320 mg/l for 8 h ( Mouse )

Dermal LD50: 12,124 mg/kg ( Rabbit )



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Skin Corrosion/Irritation:	No Data Available
Serious Eye Damage/Irritation:	No Data Available
Respiratory or Skin Sensitization:	No Data Available
Germ Cell Mutagenicity:	No Data Available
Reproductive Toxicity:	No Data Available
Teratogenicity:	No Data Available
Specific Target Organ Toxicity-Single Exposure:	No Data Available
Specific Target Organ Toxicity-Repeated Exposure:	No Data Available
Aspiration Hazard:	No Data Available
Carcinogenicity	
IARC:	No Data Available
ACGIH:	No Data Available
NTP:	No Data Available
OSHA:	No Data Available
Potential Health Effects:	Inhalation: There may be irritation of the throat and cause cough. Ingestion: There may be irritation of the throat. May be harmful if swallowed. Skin: May be harmful if absorbed through skin. May cause skin irritation at the site of prolonged contact. Eyes: There may be irritation and redness at the site of contact.

### **Section 12: Ecological Information**

Toxicity:	Refer to section 11: Toxicology Information.
Persistence & Degradability:	No Data Available
Bio-accumulative Potential:	No Data Available
Mobility in Soil:	No Data Available
Other adverse effects:	No Data Available

### **Section 13: Disposal Considerations**



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Disposal Methods: Waste product should not be discharged directly into drains or waterways without treatment. Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

Disposal of packaging: It cannot be taken for recycling.

Waste code number: RCRA Class : D001: Reportable Quantity = 100 lbs. (Characteristic of ignitability)  
This classification applies only to the material as it was originally produced.

### Section 14: Transport Information

No data available.

### Section 15: Regulatory Information

North American Inventories: All components are listed or exempt from the TSCA inventory.  
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations: SARA 313 Components : Toluene 108-88-3  
Zinc oxide 1314-13-2

SARA 311/312 Hazards : Acute Health Hazard  
Fire Hazard

OSHA Hazardous Components : Toluene 108-88-3  
Zinc oxide 1314-13-2

OSHA Status: Considered Irritant  
hazardous based on the  
following criteria:

OSHA Flammability: IB

Regulatory VOC (less water and 703 g/l  
exempt solvent):

VOC Method 310 : 75 %

Read the Label before purchase and use.

Symbol Not subject to labeling.



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Information given in this Material Safety Data Sheet does not constitute the user's own workplace risk

### Section 16: Other Information

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

#### Legend

ACGIH - American Conference of Governmental Hygienists PEL - Permissible Exposure Limit  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
DOT - Department of Transportation RTK - Right To Know  
DSL - Domestic Substance List SARA - Superfund Amendments and Reauthorization Act  
EPA - Environmental Protection Agency STEL - Short Term Exposure Limit  
HMIS - Hazardous Materials Information System TLV - Threshold Limit Value  
IARC - International Agency for Research on Cancer TSCA - Toxic Substances Control Act  
MSHA - Mine Safety Health Administration TWA - Time Weighted Average  
NDSL - Non-Domestic Substance List V - Volume  
NIOSH - National Institute for Occupational Safety and Health VOC - Volatile Organic Compound  
NTP - National Toxicology Program RCRA - Resource Conservation and Recovery Act  
OSHA - Occupational Safety and Health Administration  
SARA - Superfund Amendments and Reauthorization Act  
WHMIS - Workplace Hazardous Materials Information System

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