

## MATERIAL SAFETY DATA SHEET

### 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Trade Name** IM-AW Ink Adhesion Wipe  
**MSDS Number** 015  
**CAS Number** N/A  
**Distributor** Imtran  
 39 Shelley Road  
 Haverhill, MA 01835 USA  
**Telephone Numbers - 24 Hour Emergency Assistance**  
 Emergency (800)424-9300  
**Telephone Numbers - General Assistance**  
 Information (978)372-3443

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Concentration	Exposure Limits / Health Hazards
TOLUENE	108-88-3	90 - 95 %	ACGIH TLV: 385mg/m3
XYLENES	1330-20-7	1 - 5 %	OSHA TWA: 100ppm; OSHA STEL: 150ppm

### 3 HAZARDS IDENTIFICATION

#### Signs & Symptoms of Short-Term (Acute) Exposure

Excessive vapor concentration in air, especially in confined spaces, may cause asphyxiation. Excessive inhalation of vapors can cause nasal, throat and respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Eye contact causes irritation, redness, tearing, blurred vision. Eye contact with liquid or vapor causes severe irritation, redness, tearing, blurred vision. Vapors may cause severe eye irritation, redness, tearing and blurred vision. Prolonged skin contact may lead to extraction of natural oils with resultant dry skin, cracking, irritation and dermatitis. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Notice: intentional misuse by deliberately concentrating and inhaling the contents maybe harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

#### Effects of Long-Term (Chronic) Exposure

The effects of excessive, long term exposure to this product have not been fully investigated. Health studies have shown that many solvents pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids and vapors should be minimized. Prolonged or continuous inhalation of vapors may result in delayed lung damage. Repeated or prolonged inhalation of vapor may cause liver and kidney damage. Repeated inhalation of vapor in high concentration can change the blood picture. Other Health Warnings: This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Prolonged inhalation of vapors in high concentrations may lead to headache, giddiness and nausea. In case of contact with the product: Danger of re sorption through the skin, irritation of skin/mucous membranes.

### 4 FIRST AID MEASURES

#### Skin

Wash away with soap and water and rinse. Do not use solvents or thinners.

#### Eye

Remove contact lenses, keep eyelids open. Keep eyelids lifted. Flush with large quantities of water for 15 minutes. Consult a physician.

### **Inhalation**

Take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. Call a physician.

### **Ingestion**

Do not induce vomiting. Call a physician. Keep at rest.

### **Medical Conditions Aggravated by Exposure**

ND

## **5 FIRE FIGHTING MEASURES**

### **Extinguishing Media**

Chemical powder, carbonic acid - co2, foam.

### **Basic Fire Fighting Procedures**

Water spray may be ineffective. For extinguishing larger fires or inside buildings an independent self-contained breathing apparatus is recommended to protect firefighters from any hazardous combustion products.

### **Unusual Fire & Explosion Hazards**

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti static footwear and clothing. No sparking tools should be used.

**Flash Point** 6 C

**Flammability Limits in Air, Lower, % by Volume** 0.8

## **6 ACCIDENTAL RELEASE MEASURES**

### **Environmental Precautions**

Do not empty into drains. If the product contaminates lakes, rivers or sewer systems, inform appropriate authorities in accordance with local regulations.

### **Spill or Leak Procedure**

Contain and collect spillage with non-combustible absorbent materials, e.g., sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent. Avoid use of solvents.

## **7 HANDLING & STORAGE**

### **Handling**

Prevent the creation of flammable or explosive concentration of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Comply with the health and safety at work laws.

### **Storage**

Containers which are opened must be carefully released and kept upright to prevent leakage. Keep container tightly closed. Never use pressure to empty; container is not a pressure vessel. No smoking. Prevent unauthorized access. Always keep in containers of same material as the original one. Avoid heating and direct sunlight.

### **Ventilation**

Provide sufficient ventilation to keep vapor concentration below the given TLV and LEL.

## **8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Eye Protection: Personal Protection Equipments (PPE)**

Use splash goggles.

**Skin Protection: Personal Protection Equipments (PPE)**

Use appropriate protective gloves when handling. After washing hands, replace lost skin fat by fat containing skin creams. Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact. All parts of the body should be washed after contact.

**Respiratory Protection: Personal Protection Equipments (PPE)**

If work place limits are exceeded, a gas mask approved for this particular job must be worn.

**General**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Unconsciousness: Lateral position - call a physician. We have no knowledge or control over the individual user's working conditions. However, the product may not be used for any purpose other than that specified in Chapter one. The user is responsible for the observance of all required statutory provisions.

## 9 PHYSICAL & CHEMICAL PROPERTIES

**Odor and Appearance**

Clear liquid with aromatic odor

<b>Boiling Point</b>	111 - 137 C
<b>Specific Gravity</b>	0.9
<b>Melting Point</b>	NA
<b>Percent Volatile</b>	97.5
<b>Vapor Pressure</b>	29 C
<b>Evaporation Rate</b>	NA
<b>Vapor Density</b>	> 1
<b>Solubility In Water</b>	Not water reactive

## 10 STABILITY & REACTIVITY

**Stability/Incompatibility**

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**Hazardous Reactions/Decomposition Products**

Ni

**Hazardous Polymerization**

Will not occur.

## 11 TOXICOLOGICAL INFORMATION

**Routes of Exposure**

Inhalation: remove to fresh air. Restore breathing. Treat symptomatically. Consult a physician. Eyes: splash: flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment. Skin: splash: wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Ingestion: do not induce vomiting. Consult a physician or poison control center immediately, treat symptomatically.

## 12 ECOLOGICAL INFORMATION

## 13 DISPOSAL CONSIDERATIONS

**Waste Disposal**

Disposal according to federal, state and local regulations.

## 14 TRANSPORT INFORMATION

**Department of Transportation (DOT) Requirements:****General Transportation Information for Bulk Shipments**

Proper Shipping Name	Paint Related Material	UN/NA Code	1263
Hazard Class	3		
Packaging Group	Class III		
Labels Required	Flammable Liquid		

**15 REGULATORY INFORMATION****NFPA Ratings**

Health	Flammability	Reactivity	Special Hazards
--------	--------------	------------	-----------------

**HMIS Ratings**

Health	1	Flammability	3	Reactivity	1	Personal Prot. Equip.	C
--------	---	--------------	---	------------	---	-----------------------	---

**Following ingredients of this product are listed in SARA313**

SARA Listed Ingredient Name	CAS Number	Maximum %
XYLENES	1330-20-7	

**Listed on the following Regulatory List(s)**

SARA 313

**16 OTHER INFORMATION****Disclaimer**

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of ITW Imtran. The data on this sheet applies only to the specific material designated herein. ITW Imtran assumes no legal responsibility for use of reliance upon this data.

<b>Completed On</b>	2/26/04
---------------------	---------

<b>Completed By</b>	Chris Sobaszek
---------------------	----------------