

**MSDS - Material Safety Data Sheet****Product Name: Tape Release Agent**

MSDS No.: TRA20

**I. Basic Information:**

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Emergency Contact: ChemTrec

Emergency Telephone Number: 800-424-9300

Contact: Tech Support

Information Telephone Number: 919-554-2244

Last Update: 02/02/2011

Expiration Date:

Chemical State:  Liquid  Gas  SolidChemical Type:  Pure  Mixture

2	Health
3	Flammability
1	Reactivity
H	Pers. Protection

**II. Ingredients:** Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
85687	Butyl benzyl phthalate	5-10									
67663	Chloroform	5	X				X	50 ppm	10 ppm	143 F	
25608337	Poly(butyl methacrylate-co-methyl methacrylate) (d)	30-60									
108883	Toluene	30-60					X	100 ppm	100 ppm	45 F	

**III. Hazardous Identification:**

Hazard Category:

 Acute Chronic Fire Pressure Reactive**Hazardous Identification Information:**

Flammable. Light sensitive. Harmful (may cause lung damage) or fatal if swallowed. Respiratory and digestive tract irritant. Skin and eye irritant. Aspiration hazard. May cause central nervous system depression. May cause cardiac disturbances. May cause adverse reproductive and fetal effects.

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

**IV. First Aid Measures:****Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

**Health Hazards (Acute and Chronic):**

Acute: Severe eye burns, chemical pneumonitis (if aspirated into lungs), cardiac sensitization and possible failure

Chronic: Dermatitis. Prolonged or frequent exposure to vapors of VOC's may result in damage on liver, kidneys, blood, or central nervous system (brain damage)

**Signs and Symptoms:**

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Inhalation: Headache, nausea, vomiting, dizziness, unconsciousness, coma

Ingestion: Headache, nausea, vomiting, diarrhea, dizziness, unconsciousness. Symptoms (dyspnea) can develop several hours after exposure.

Skin: Burning pain, itching, redness

Eyes: Redness

### Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, kidney, heart, central nervous system, liver, gastrointestinal system, excretory system diseases

### Emergency and First Aid Procedures:

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen (To be administered by qualified medical personnel only!) Keep victim at rest. Get medical attention.

Ingestion: DO NOT induce vomiting. If victim is conscious and alert, rinse mouth and drink plenty of water. (Never give anything by mouth to an unconscious person!) Get medical attention immediately.

Skin: Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Rub skin with hand lotion. Seek medical attention.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. Get medical aid.

### Other Health Warnings:

Toxicity may be increased by exposure to alcohol, steroids, and ketones.

### V. Fire Fighting Measures:

Flash Point: 45 F

Lower Explosive Limit: 0.6%

Upper Explosive Limit: 7%

F.P. Method:

Fire Extinguishing Media: Dry chemical, foam

### Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. Water may be ineffective, but may be used to cool fire-exposed containers. Remove fire-exposed containers if possible.

### Unusual Fire and Explosion:

Vapors may be heavier than air. They may spread along the ground and collect in low or confined areas. Vapors from this product may travel some distance from original point to an ignition source and flash back.

### VI. Accidental Release Measures:

#### Steps to be Taken in Case Material is Released or Spilled:

Wear vapor respirator, safety goggles, and nitrile rubber gloves. Remove sources of ignition (i.e. open flames, sparks). Soak up with inert absorbent material (dry sand or earth recommended; do not use flammable substances such as sawdust). Flush spill site with water after collection. Dispose according to local, state, and federal regulations.

### VII. Handling and Storage:

#### Precautions to be Taken:

Keep in tightly closed container. Keep cool and dry. Store at room temperature (~75 F). Store with flammable liquids. Avoid direct sunlight. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Use only in well-ventilated areas. Avoid inhalation and ingestion. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.

#### Other Precautions:

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DO NOT smoke while handling this product. Provide access to water while using this product.

### VIII. Exposure Controls/Personal Protection:

#### Ventilation Requirements:

Use only in well-ventilated areas.

#### Personal Protective Equipment:

Safety goggles, nitrile rubber gloves, vapor respirator, protective clothing

### IX. Physical and Chemical Properties:

Boiling Point: 230 F

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): 1.5

Vapor Pressure (mm Hg.): 38 mm Hg

Specific Gravity (H<sub>2</sub>O = 1): 0.96000

Vapor Density (AIR = 1): >1

Solubility In Water: Negligible

Appearance and Odor: Clear liquid; hydrocarbon odor

#### Other Information:

### X. Stability and Reactivity:

#### Stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

#### Incompatibility (Materials to Avoid):

Ignition sources (heat, open flame, spark), strong oxidizers, light, acetone, alkalies, aluminum, disilane, lithium, magnesium, nitrogen oxides, acids, phosphorus pentoxide, potassium, hydroxides, alcohols, potassium tert-butoxide, sodium, sodium methylate, sodium-potassium alloy, triisopropylphosphine, fluorine, acetic anhydride + sodium hydrogensulfate, acetyl bromide, ammonia, silver nitrate, dichloromethane, disulfuryl difluoride, magnesium perchlorate, silver, oxides, platinum, potassium, tetrachlorosilane, steroids, ketones

#### Decomposition/By Products:

Carbon oxides, hydrogen chloride, chlorine, phosgene gas

#### Hazardous Polymerization:

Has not been reported.

### XI. Toxicological Information:

Carcinogenicity (Chloroform)

### XII. Ecological Information:

The hydrocarbons are volatile and evaporate from the water surface. The hydrocarbons are inherently biodegradable according to OECD guidelines. Prevent from entering sewers or waterways. May be toxic to some aquatic life.

### XIII. Disposal Considerations:

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Dispose according to local, state, and federal regulations.

Chloroform

RCRA D-Series Maximum Concentration of Contaminants: Waste no. D022; Regulatory level = 6.0 mg/L

RCRA D-Series Chronic Toxicity Reference Level: 0.06 mg/L

RCRA U-Series: Waste no. U044

### ***XIV. Transport Information:***

Keep in tightly closed container. Keep cool and dry. Store with flammable liquids. Avoid direct sunlight. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Avoid inhalation and ingestion. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.

IATA

Shipping name: Flammable liquid

Hazard class: 3

UN no.: 1866

Packing group: III

### ***XV. Regulatory Information:***

Chloroform is listed on the TSCA inventory.

Chloroform is listed as a hazardous air pollutant (HAP) under the Clean Air Act.

Chloroform is listed as a Hazardous Substance, Priority Pollutant, and Toxic Pollutant under the Clean Water Act.

California Proposition 65: This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm (chloroform).

Chloroform is listed on the EPA Extremely Hazardous Substances (EHS) list.

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

### ***XVI. Other Information:***

Using this product under normal, properly instructed procedures should not be hazardous.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.