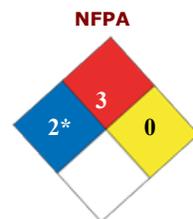




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## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Panel and Adhesive Cleaner  
**Product Code:** 82780  
**MSDS Manufacturer Number:** 82780  
**Manufacturer Name:** Saint-Gobain Abrasives, Inc.  
**Address:** 1 New Bond Street  
Worcester, MA 01615  
**Website:** www.sgabrasives.com  
**General Phone Number:** 508-795-5000  
**Emergency Phone Number:** Chemtrec: 1 800 424-9300  
**MSDS Creation Date:** August 09, 2010  
**MSDS Revision Date:** July 01, 2013



HMIS	
Health Hazard	2*
Fire Hazard	3
Reactivity	0
Personal Protection	X

\* Chronic Health Effects

## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Toluene	108-88-3	30 - 60 by weight	
Ethylbenzene	100-41-4	1 - 5 by weight	
Xylene - Mixed isomers	1330-20-7	1 - 5 by weight	
Solvent naphtha (petroleum), light aliph.	64742-89-8	30 - 60 by weight	

## SECTION 3 : HAZARDS IDENTIFICATION

**Emergency Overview:** DANGER! Flammable.. Irritant.

**Route of Exposure:** Eyes. Skin. Inhalation. Ingestion.

**Potential Health Effects:**

**Eye:** Moderate irritation to the eyes. Exposure can cause redness and itching.

**Skin:** Moderate irritation to the skin. May be absorbed through the skin causing liver, kidney, central nervous system damage. Prolonged contact with this product may cause reddening, swelling, rash scalling or blistering.

Inhalation:	Moderate irritation to the respiratory system. May be harmful if inhaled. High concentrations may be fatal.
Ingestion:	Moderate irritation to the digestive tract. May cause nausea.
Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system. Central nervous system. Kidney.

## SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

## SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:	41 °F (5°C)
Flash Point Method:	TCC (Tag Close Cup)
Auto Ignition Temperature:	No Data.
Lower Flammable/Explosive Limit:	LEL: 0.8
Upper Flammable/Explosive Limit:	UEL: 7.1
Fire Fighting Instructions:	Flammable. Cool fire-exposed containers using water spray.
Extinguishing Media:	Use foam, alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear. Minimize skin exposure.
Unusual Fire Hazards:	Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back.
Hazardous Combustion Byproducts:	Carbon monoxide, carbon dioxide, oxides of nitrogen
Universal Fire And Explosion Hazards:	Closed containers may explode when exposed to extreme heat or burst when contaminated with water (CO2 gas evolved). Hazards apply to empty containers. Combustion generates toxic fumes.

### **NFPA Ratings:**

NFPA Health:	2*
NFPA Flammability:	3
NFPA Reactivity:	0

Notes : HAZARD RATING SOURCE HMIS: HEALTH: 2\* FLAMMABILITY: 3 REACTIVITY: 0

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.

**Spill Cleanup Measures:** Remove all sources of ignition. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Collect spill with a non-sparking tool. Place into a suitable container for disposal.

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## SECTION 7 : HANDLING and STORAGE

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**Handling:** Use non-sparking tools and explosion proof equipment when handling this material. Avoid hot surfaces. Use in cool, well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and flames. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Do not reuse container when empty.

**Storage:** Store in a cool, well ventilated area away from heat and flames. Keep container tightly closed when not in use.

**Work Practices:** Eye washes and safety showers in the workplace are recommended. Avoid contact with skin and eyes. Avoid breathing vapors. Wash hands thoroughly after using and before eating, drinking or smoking. Employee education and training in the safe use and handling of this product is required under OSHA Hazard Communication Standard 29CFR1200. Smoking in area where this material is used should be strictly prohibited. Always use protective clothing and equipment. Remove all contaminated clothing and wash thoroughly when finished working. Keep food and drink away from material and from area where material is being used.

**Special Handling Procedures:** Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.

**Hygiene Practices:** Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

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## SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

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**Engineering Controls:** Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

**Eye/Face Protection:** Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

**Skin Protection Description:** Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

**Respiratory Protection:** A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**Other Protective:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### EXPOSURE GUIDELINES

#### **Toluene :**

Guideline ACGIH: TLV-TWA: 20 ppm  
Guideline OSHA: PEL-TWA: 200 ppm PEL-Ceiling/Peak: 300 ppm PEL-Ceiling/Peak: 500 ppm Peak

#### **Ethylbenzene :**

Guideline ACGIH: TLV-TWA: 100 ppm TLV-STEL: 125 ppm  
Guideline OSHA: PEL-TWA: 100 ppm

#### **Xylene - Mixed isomers :**

Guideline ACGIH: TLV-TWA: 100 ppm TLV-STEL: 150 ppm

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## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

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Physical State:	liquid.
Physical State Appearance:	Homogenous mixture
Color:	Clear, Colorless
Odor:	mineral spirit
Boiling Point:	228 Deg F
Melting Point:	No Data
Specific Gravity:	(water = 1): 0.81
Solubility:	Insoluble in water
Vapor Density:	(Air = 1.0): Heavier than air
Vapor Pressure:	No Data
Evaporation Rate:	Slower than Butyl Acetate
pH:	No Data
Flammability:	FIRE AND EXPLOSION HAZARDS: Closed containers may explode when exposed to extreme heat or burst when contaminated with water (CO <sub>2</sub> evolved). Solvent vapors may be heavier than air. Stagnant air may cause vapors to accumulate and travel along the ground to an ignition source which may result in a flash back to the source of the vapors.
Flash Point:	41 °F (5°C)
Flash Point Method:	TCC (Tag Close Cup)
Auto Ignition Temperature:	No Data.
VOC Content:	Material VOC = 6.52 lbs/gal; 781 g/l Coating VOC = 6.52 lbs/gal; 781 g/l

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## SECTION 10 : STABILITY and REACTIVITY

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Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 0°C (32°F). Temperatures above 120 °F.
Incompatible Materials:	Strong acids, strong bases and strong oxidizing agents.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

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Eye:	Moderate irritation, tearing, redness and blurred vision.
Skin:	Moderate irritant. Can dry and defat skin causing cracks, irritation and dermatitis.
Inhalation:	Dizziness, breathing difficulty, headaches and loss of coordination.
Ingestion:	Can cause gastrointestinal irritation, vomiting, nausea and diarrhea.
Chronic Effects:	May affect kidney, liver and central nervous system with repeated exposure.
Carcinogenicity:	NTP- No, IARC - Yes, OSHA- No This product has not been tested for carcinogenic effects. Some chemicals in this product may be identified by NTP, IARC and/or OSHA as carcinogenic, indicated as Yes. No further information available.
Reproductive Toxicity:	Possible reproductive hazard, contains material which may cause adverse reproductive effects based on animal data. No further information available.
Teratogenicity:	No data.

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## SECTION 12 : ECOLOGICAL INFORMATION

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**Ecotoxicity:** No ecotoxicity data was found for the product.

**Environmental Fate:** No environmental information found for this product.

**Notes :** CHEMICAL FATE: Not Applicable

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## SECTION 13 : DISPOSAL CONSIDERATIONS

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**Waste Disposal:** Subject to hazardous waste generation, treatment, storage and disposal. Product should be disposed of in accordance with all governmental regulations. Subject to hazardous waste generation, treatment, storage and disposal under RCRA, 40CFR261. Product should be disposed of in accordance with all Federal, State and local regulations.

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## SECTION 14 : TRANSPORT INFORMATION

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**DOT Shipping Name:** DOT Status: For inner packagings not exceeding 5 L each packaged in a strong outer box: CONSUMER COMMODITY ORM-D UN1263, Paint related material, 3, PG II

**IATA Shipping Name:** UN1263, Flammable Liquid, n.o.s., Paint related material, 3 PG II

**Canadian Shipping Name:** TDG Status: For inner packagings not exceeding 5 L each packaged in a strong outer box: CONSUMER COMMODITY ORM-D UN1263, Paint related material, 3, PG II

**IMDG Shipping Name :** UN1263, Paint related material, 3 PG II

**ICAO Shipping Name:** IN1263, Paint related material, 3, PG II

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## SECTION 15 : REGULATORY INFORMATION

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**SARA:** 311/312 Status: Immediate Health Hazard, Delayed Health Hazard, Fire Hazard

**OSHA Process Safety:** This material meets the requirement of hazardous material and is subject to 29CFR1910.1200

**Ethylbenzene :**

**Section 313:** EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.

**California PROP 65:** Listed: cancer.

**New Jersey:** Listed: NJ Hazardous List; Substance Number: 0851

**Massachusetts:** Listed: Massachusetts Oil and Hazardous List

**Pennsylvania:** Listed

**Rhode Island:** Listed: Toxic

**Xylene - Mixed isomers :**

**Section 313:** EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.

**Rhode Island:** Listed: Toxic

**Solvent naphtha (petroleum), light aliph. :**

TSCA Inventory Status: Listed  
EINECS Number: "265-192-2"  
Canada DSL: Listed

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## SECTION 16 : ADDITIONAL INFORMATION

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MSDS Creation Date: August 09, 2010

MSDS Revision Date: July 01, 2013

KEY TO ABBREVIATIONS:  
EQ = Equal  
LT = Less Than  
GT = Greater Than  
AP = Approximately  
TR = TRace  
ND = No Data available

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