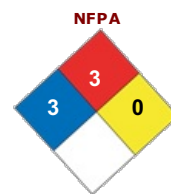




SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: Adhesion Promoter (Brush Top)
Product Code: 04624
MSDS Manufacturer Number: 04624
Manufacturer Name: Saint-Gobain Abrasives, Inc.
Address: 1 New Bond Street
 Worcester, MA 01615
General Phone Number: 508-795-5000
Emergency Phone Number: Chemtrec: 1 800 424-9300
Website: www.sgabrasives.com
MSDS Creation Date: August 09, 2010
MSDS Revision Date: July 01, 2013



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

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Toluene	108-88-3	15 - 40 by weight	
Acetone	67-64-1	15 - 40 by weight	
Xylene - Mixed isomers	1330-20-7	15 - 40 by weight	
Propane	74-98-6	7 - 13 by weight	
Ethylbenzene	100-41-4	1 - 5 by weight	
Isobutane	75-28-5	7 - 13 by weight	

SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview: DANGER! Flammable.. Irritant.
Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects: Overexposure may lead to irritation of eyes, skin, nose, throat and upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.
Eye: May cause irritation.
Skin: May cause irritation.
Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion: Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea and gastrointestinal irritation.
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

Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	1.8 % by volume
Upper Flammable/Explosive Limit:	8.4 % by volume
Fire Fighting Instructions:	Flammable. Cool fire-exposed containers using water spray.
Extinguishing Media:	Use alcohol resistant 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.
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.

NFPA Ratings:

NFPA Health:	3
NFPA Flammability:	3
NFPA 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.

SECTION 7 : HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Work Practices:	To reduce potential for static discharge, bond and ground containers when transferring material.
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 with soap and water after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

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

Acetone :

Guideline OSHA:	PEL-TWA: 1000 ppm
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Xylene - Mixed isomers :

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

Guideline ACGIH:	TLV-TWA: 1000 ppm
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Guideline OSHA: PEL-TWA: 1000 ppm
Ethylbenzene :
Guideline ACGIH: TLV-TWA: 100 ppm TLV-STEL: 125 ppm
Guideline OSHA: PEL-TWA: 100 ppm
Isobutane :
Guideline ACGIH: TLV-TWA: 1000 ppm

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State: Clear liquid.
Color: Light amber
Odor: Solvent.
Boiling Point: 0 - 292 °F
Melting Point: Not determined.
Specific Gravity: 0.77
Solubility: Insoluble in water.
Vapor Density: Heavier than air (Air = 1).
Vapor Pressure: Not determined.
Percent Volatile: 100%
Evaporation Rate: >1 n-Butyl Acetate = 1
pH: Not determined.
Auto Ignition Temperature: Not determined.
VOC Content: 442 g/l 3.69 lbs/gal

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Reactivity: Not known.
Hazardous Polymerization: Not reported.
Conditions to Avoid: Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 32 deg. F. Temperatures above 120 °F.
Incompatible Materials: Avoid amines, aluminum, possibly sodium, potassium and magnesium. Strong oxidizers.
Special Decomposition Products: By fire: Carbon monoxide and carbon dioxide.

SECTION 11 : TOXICOLOGICAL INFORMATION

Eye: Redness, itching, burning sensation.
Skin: Redness, itching, burning sensation.
Inhalation: Headaches, dizziness, nausea and loss of coordination.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.
Environmental Fate: No environmental information found for this product.
Notes : If used other than Touch Up, Regulated by National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings, Specialty Coatings category (Adhesion Promoters)

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Do not incinerate. Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Flammable liquid, n.o.s
DOT UN Number: Non regulated.

SECTION 15 : REGULATORY INFORMATION

Acetone :

TSCA Inventory Status: Listed

EINECS Number: 200-662-2

Canada DSL: Listed

Xylene - Mixed isomers :

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

Rhode Island: Listed: Toxic

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

SECTION 16 : ADDITIONAL INFORMATION

MSDS Creation Date: August 09, 2010

MSDS Revision Date: July 01, 2013

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