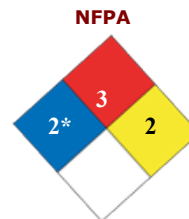




View (M)SDS Section : [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: Adhesion Promoter (Aerosol)
Product Code: 04625
MSDS Manufacturer Number: 04625
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	2
Personal Protection	1

* Chronic Health Effects

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Cyclohexane	110-82-7	30 - 60 by weight	
Methyl-n-propyl ketone	107-87-9	10 - 30 by weight	
Propane	74-98-6	10 - 30 by weight	
Methyl isobutyl ketone	108-10-1	1 - 5 by weight	
Isobutane	75-28-5	7 - 13 by weight	

SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview: Extremely flammable aerosol. Irritant. Contents under pressure.
Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:
Eye: Can cause severe irritation, redness and swelling.
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.
Chronic Health Effects:	Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash). Repeated or prolonged inhalation may cause toxic effects.
Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system. Central nervous system. Kidney.
Aggravation of Pre-Existing Conditions:	May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

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.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:	-142 °F (-96 °C)
Flash Point Method:	Setaflash Closed Cup
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	1.3 % by volume
Upper Flammable/Explosive Limit:	9.5 % by volume
Fire Fighting Instructions:	Extremely 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.
Unsuitable Media:	Water or foam may cause frothing.
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:	2*
NFPA Flammability:	3
NFPA Reactivity:	2

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. Remove all sources of ignition. 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. Do not store in temperatures above 120 °F.
Work Practices:	To reduce potential for static discharge, bond and ground containers when transferring material.
Special Handling Procedures:	Handle with care. Contents are under pressure. Excessive pressure and temperature will cause over pressurization and result in container bursting or exploding.
Hygiene Practices:	Wash thoroughly 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

Cyclohexane :

Guideline ACGIH: TLV-TWA: 100 ppm

Guideline OSHA: PEL-TWA: 300 ppm

Propane :

Guideline ACGIH: TLV-TWA: 1000 ppm

Guideline OSHA: OSHA-TWA: 1000 ppm

Methyl isobutyl ketone :

Guideline ACGIH: TLV-TWA: 50 ppm

TLV-STEL: 75 ppm

TLV-STEL: 75 ppm

Guideline OSHA: PEL-TWA: 100 ppm

Isobutane :

Guideline ACGIH: TLV-TWA: 1000 ppm

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Liquid.
Color:	Clear
Odor:	Solvent.
Boiling Point:	-43 - 241 °F (-43 - 116 °C)
Melting Point:	Not determined.
Density:	5.58 lbs/gal
Solubility:	Insoluble in water.
Vapor Density:	Greater than 1 (Air = 1).
Vapor Pressure:	Not determined.
Percent Volatile:	97.26 % by weight 98.17 % by volume
Evaporation Rate:	>1 n-Butyl Acetate = 1
pH:	Not determined.
Flash Point:	-142 °F (-96 °C)
Flash Point Method:	Setaflash Closed Cup
Auto Ignition Temperature:	Not determined.
VOC Content:	Calculated: 5.7 lb/gal. 686 g/l Product Weight Reactivity Limit (MIR): 1.65 g 03/g product

SECTION 10 : STABILITY and REACTIVITY

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).
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

SECTION 11 : TOXICOLOGICAL INFORMATION

Cyclohexane :

RTECS Number:	GU6300000
Skin:	Administration onto the skin - Rabbit Standard Draize test.: 1548 mg/2D (Intermittent) (RTECS)
Inhalation:	Inhalation - Mouse LC50: 70000 mg/m ³ /2H [Details of toxic effects not reported other than lethal dose value] (RTECS)
Ingestion:	Oral - Rat LD50: 12705 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Mouse LD50: 813 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

Propane :

RTECS Number:	TX2275000
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Methyl isobutyl ketone :

RTECS Number: SA9275000

Eye: Eye - Human Standard Draize test.: 200 ppm/15M
Eye - Rabbit Standard Draize test.: 40 mg
Eye - Rabbit Standard Draize test.: 100 uL/24H

Skin: Oral - Rat LD50: 2080 mg/kg [Details of toxic effects not reported other than lethal dose value]
Intraperitoneal. - Rat LD50: 400 mg/kg [Details of toxic effects not reported other than lethal dose value]
Oral - Mouse LD50: 1900 mg/kg [Details of toxic effects not reported other than lethal dose value]
Intraperitoneal. - Mouse LD50: 268 mg/kg [Details of toxic effects not reported other than lethal dose value]
Oral - Guinea pig LD50: 1600 mg/kg [Details of toxic effects not reported other than lethal dose value]
Intraperitoneal. - Guinea pig LD50: 800 mg/kg [Details of toxic effects not reported other than lethal dose value]

Oral - Mouse LD50: 2850 mg/kg [Brain and Coverings - Increased intracranial pressure Liver - Fatty liver degeneration Blood - Changes in spleen]
Oral - Rat LD50: 4600 mg/kg [Brain and Coverings - Increased intracranial pressure Liver - Fatty liver degeneration Blood - Changes in spleen]

Inhalation: Inhalation - Rat LC50: 100 gm/m3 [Details of toxic effects not reported other than lethal dose value]
Inhalation - Mouse LC50: 23300 mg/m3 [Details of toxic effects not reported other than lethal dose value]
Inhalation - Mouse LC50: 23300 mg/m3 [Brain and Coverings - Increased intracranial pressure Lungs, Thorax, or Respiration - Other changes Liver - Fatty liver degeneration]

Ingestion: Oral - Rat LD50: 2080 mg/kg [Details of toxic effects not reported other than lethal dose value]
Oral - Mouse LD50: 1900 mg/kg [Details of toxic effects not reported other than lethal dose value]
Oral - Mouse LD50: 2850 mg/kg [Brain and Coverings - Increased intracranial pressure Liver - Fatty liver degeneration Blood - Changes in spleen]
Oral - Rat LD50: 4600 mg/kg [Brain and Coverings - Increased intracranial pressure Liver - Fatty liver degeneration Blood - Changes in spleen]

Isobutane :

Inhalation: Inhalation - Rat LC50: 570,000 ppm/15M - [Behavioral - Tremor Behavioral - Convulsions or effect on seizure threshold Lungs, Thorax, or Respiration - Respiratory depression] (RTECS)

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.

Environmental Fate: No environmental information found for this product.

Notes : CARB Category- Automotive Bumper and Trim Product
MIR Limit: 1.75

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: 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: Consumer Commodity

DOT Hazard Class: ORM-D

SECTION 15 : REGULATORY INFORMATION

Canada WHMIS: WHMIS Hazard Class(es): B5; D2B
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

Cyclohexane :

TSCA Inventory Status: Listed

Canada DSL: Listed

Propane :

TSCA Inventory Status: Listed

State Regulations: Listed in the Pennsylvania State Hazardous Substances List.
Listed in the New Jersey State Right to Know List.

Canada DSL: Listed

Methyl isobutyl ketone :

TSCA Inventory Status: Listed

Canada DSL: Listed

Isobutane :

TSCA Inventory Status: Listed

State Regulations: Listed in the Pennsylvania State Hazardous Substances List.
Listed in the New Jersey State Right to Know List.

Canada DSL: Listed

SECTION 16 : ADDITIONAL INFORMATION

MSDS Creation Date: August 09, 2010

MSDS Revision Date: July 01, 2013

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