AMPG ACCURATE MANUFACTURED PRODUCTS GROUP

ISO 9001:2015

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Safety Data Sheet

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS.

Section 1: Identification

Product Identifier: **Granite Surface Plate Cleaner**

Part Numbers: **Z9412, Z9410, Z9409, Z9408, Z9407 and Z9406**

Uses: Cleaning, Degreasing and Care of Granite Surfaces

Name: AMPG
8090 Woodland Drive
Indianapolis, IN 46278

Distributed By: MSC Industrial Supply
75 Maxess Road
Melville, NY 11747-3151

Emergency Contact: 1-866-438-6767

Section 2: Hazard identification

Physical Hazard Classification: **Flammable Liquid, Category 4**

Signal Word: **WARNING** **Hazard Statement Code H227**

Hazard Statements:

H227 Combustible Liquid
H302 Harmful if swallowed
H332 Harmful if inhaled
H315 Causes skin irritation
H319 Causes serious eye irritation

Health Hazard Classification(s):	Signal Code	Hazard Statement Code
Acute Toxicity - Oral - Category 4	Warning	H302
Acute Toxicity - Inhalation - Category 4	Warning	H332
Skin Corrosion / Irritation - Category 2	Warning	H315
Eye Damage / Irritation - Category 2A	Warning	H319



Hazard Precautionary Statements:

Combustible liquid.
Keep Away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking
Keep cool.
Wear protective gloves / protective clothing / eye protection / face protection. In case of fire: Contact authorities, avoid breathing fumes and smoke

Use appropriate media to extinguish. Store in a well-ventilated place.
Dispose of Contents / Container to licensed waste facility observing all local, state and federal requirements and legislation.
In case of fire: Use foam or other fire extinguishing agent to reduce oxygen to the flames.
Wash hands thoroughly after handling
Do not eat, drink or smoke when using this product.
If swallowed: Contact a doctor or poison control center. Seek medical attention of you feel unwell. Rinse mouth thoroughly with plenty of water.
Avoid breathing fumes/gas/mist/vapors/spray.
Use only outdoors or in a well ventilated area.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Contact a doctor or poison control center. Seek medical attention of you feel unwell.
If on skin: Wash with plenty of water.
If skin irritation occurs or persists: Get medical advice or attention
Take off contaminated clothing and wash it before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice / attention

Section 3: Composition / Information on Ingredients

	CAS#	% Range		PEL	TLV
ETHANOL, 2-BUTOXY	111-76-2	1%	5%	25 PPM	25 PPM
PROPYLENE GLYCOL METHYL ETHER	34590-94-8	1%	5%	100 PPM SKIN	100 PPM SKIN
SODIUM TRIPOLY PHOSPHATE	7758-29-4	1%	5%	NOT ESTABLISHED	NOT ESTABLISHED
ETHYLENE DIAMINE TETRA ACETATE	64-02-8	1%	5%	NOT ESTABLISHED	NOT ESTABLISHED
WATER	7732-18-5	70%	90%	NOT ESTABLISHED	NOT ESTABLISHED
SODIUM METASILICATE	6834-92-0	1%	5%	15 MG/M3	10 MG/M3

Specific chemical identity and exact percentages are withheld as Trade Secret.

Section 4: First-Aid Measures

FIRST AID:
EYE CONTACT: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.
SKIN CONTACT: Wash the affected areas with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.

INHALATION: In situations where vapor concentrations exceed the recommended exposure limits, use proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention. INGESTION: If swallowed, DO NOT INDUCE VOMITING. Keep at rest. Get prompt medical attention

IMPORTANT SYMPTOMS & EFFECTS:
Symptoms / Effects after eye contact: Slightly irritating but does not injure eye tissue.
Symptoms / Effects after skin contact: Frequent or prolonged contact may irritate and cause dermatitis. Contact may aggravate existing dermatitis. Symptoms / Effects after inhalation: May cause respiratory tract irritation in high concentrations.
Symptoms / Effects after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Section 5: Fire-Fighting Measures

FIRE FIGHTING:
Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Use foam, dry chemical, or water spray to extinguish fire. Avoid spraying water directly into storage containers due to danger of boil over. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

EXTINGUISHING METHODS: Foam, Dry Chemical or Water Spray

Section 6: Accidental Release Measures

LAND SPILL: Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and if in a public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting notify the National Response Center. Prevent liquid from entering sewers, watercourses or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Recover by pumping or with a suitable absorbent. Consult an expert on disposal regulations.

WATER SPILL: Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies, sinking and / or dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Section 7: Handling and Storage

VENTILATION REQUIREMENT: Use adequate level exhaust ventilation. Note: Where carbon monoxide may be generated, special ventilation may be required. Local exhaust recommended when appropriate to control employee exposure.

RESPIRATORY PROTECTION: Based on contamination level and working limits of the respirator, use a respirator approved by NIOSH/MSHA.

EYES: Face shield and goggles or chemical goggles should be worn.

GLOVES: Impervious gloves should be worn. Gloves contaminated with the product should be discarded. Polyfluorinated polyethylene has been suggested.

OTHER CLOTHING EQUIPMENT: Standard work clothing. Standard work shoes; discard if shoes cannot be decontaminated. Store contaminated clothing in well ventilated cabinets or closed containers. Wash Contaminated clothing and dry before reuse.

RESPIRATORY PROTECTION: In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air-supplying respirator should be worn.

STORAGE: Keep away from sources of heat. Keep container tightly closed. Store in a cool, well ventilated place.

Section 8: Exposure Controls / Personal Protection

VENTILATION REQUIREMENT: Use adequate level exhaust ventilation. Note: Where carbon monoxide may be generated, special ventilation may be required. Local exhaust recommended when appropriate to control employee exposure.
RESPIRATORY PROTECTION: Based on contamination level and working limits of the respirator, use a respirator approved by NIOSH/MSHA.

EYE PROTECTION: Face shield and goggles or chemical goggles should be worn.
HAND PROTECTION: Impervious gloves should be worn. Gloves contaminated with the product should be discarded. Polyfluorinated polyethylene has been suggested.

OTHER CLOTHING EQUIPMENT: Standard work clothing. Standard work shoes; discard if shoes cannot be decontaminated. Store contaminated clothing in well ventilated cabinets or closed containers. Wash Contaminated clothing and dry before reuse.

Section 9: Physical and Chemical Properties

Flash Point (CCP):	170˚F TCC
Boiling Point for Product:	>212˚F
Vapor Pressure for Product:	20 mm HG

Vapor Density for Product:	>1
Specific Gravity:	1.04
V.O.C.:	8.7% by Volume
Water Solubility:	Soluble
Appearance:	Clear Thin Liquid
pH:	12.8 +/- 0.5

Section 10: Stability and Reactivity

STABILITY: Stable
CONDITIONS TO AVOID: Temperatures above 130˚ F HAZARDOUS POLYMERIZATION: Will not occur
MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS: None

Section 11: Toxicological Information

ETHANOL, 2-BUTOXY 111-76-2

Acute oral toxicity: LD 50 Guinea pig: 1,200 mg/kg
Acute inhalation toxicity: LC 50 Guinea pig: > 633 ppm, 1h
Acute dermal toxicity: LD 50 Guinea pig: 2,000 mg/kg

PROPYLENE GLYCOL METHYL ETHER 34590-94-8

Acute oral toxicity: LD 50 rat: 5200mg/kg
Acute dermal toxicity: LD 75 rabbit: 5900mg/kg

EFFECTS OF ACUTE EXPOSURE
SKIN CONTACT: little to no effect
SKIN ABSORBTION: yes, toxic effects unlikely by this route EYE CONTACT: slightly irritating, will not damage eyes
INHALATION: vapor concentrations above 100ppm may irritate respiratory tract; low vapor pressure makes development of such a concentration unlikely in an industrial setting
INGESTION: may cause stomach discomfort; may cause diarrhea; a massive does (100ml) would be required to product any symptoms in a human of average weight
EFFECTS OF CHRONIC EXPOSURE
GENERAL: prolonged deliberate exposure may cause skin cracking and dermatitis SENSITISING: not a sensitizer
REPRODUCTIVE EFFECT: no known effect on humans or animals
SYNERGISTIC WITH: not known

SODIUM TRIPOLY PHOSPHATE 7758-29-4

Acute oral toxicity: LD 50 Mouse: 3100 mg/kg
Other toxic effects on humans Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (sensitizer, permeator).

ETHYLENE DIAMINE TETRA ACETATE ACID 64-02-8

Acute oral toxicity: LD 50 Rat: 3030 mg/kg
Acute dermal toxicity: LD 50 Rabbit: > 5000 mg/kg

SODIUM METASILICATE 6834-92-0

The hazard of sodium metasilicates, by all routes, comes from its corrosivity caused by the high alcalinity.
Acute oral toxicity: LD 50 Rat: 600 - 1350 mg/kg
Inhalation: Irritating to the respiratory system
Eye: Corrosive. May cause serious damage to eye, unless treated immediately
Skin: Corrosive

Section 12: Ecological Information

ETHANOL, 2-BUTOXY 111-76-2

Aquatic Toxicity LC50 Fish: 1490 mg/L
Aquatic Toxicity ED50 Crustacea: 550-1000 mg/L

PROPYLENE GLYCOL METHYL ETHER 34590-94-8

This product cannot accumulate in living tissue; this product is readily and rapidly biodegradable in the presence of oxygen.

ETHYLENE DIAMINE TETRA ACETATE ACID 64-02-8

Material is practically non-toxic to fish. Acute LC50 (flathead minnow) > 100mg/L Acute LC50 (bluegill) 1030 mg/L

SODIUM METASILICATE 6834-92-0

General consideration: Soluble silicates upon dilution rapidly depolymerize into molecular species indistinguishable from natural dissolved silica. They combine with ions like Ca, Mg, Fe, Al and others to end up as insoluble compounds similar to constituents of natural soils. However, the pH of most undiluted silicate solutions is above acceptable limits for direct discharge into waterbodies.
Mobility: not mobile
Biodegradability: not applicable on inorganic substances
Accumulation: no

ECOTOXICITY DATA:

LC50 Fish: 3185mg product/liter (by analogy with sodium silicate with MR 3.36, 35%)

EC50 Bacteria: > 1000mg product/liter (by analogy with sodium silicate with MR 3.36, 35%) EC50 Daphnia: 4857mg product/liter (by analogy with sodium silicate with MR 3.2, 35%)

If applicable, IARL, NPT and OSHA carcinogens and Chemical subject to the reporting requirements of SARA Title III, Section 313 are identified in Section III with an "*". Additional ecological information is Not Determined.

Section 13: Disposal Considerations

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers cannot be reused. Consult Federal, State, and local authorities for approved procedures.

Section 14: Transportation Information

DOT Proper Shipping Name: (not regulated)

Section 15: Regulatory Information

	CAS#	PEL	TLV
ETHANOL, 2-BUTOXY	111-76-2	25 PPM	25 PPM
PROPYLENE GLYCOL METHYL ETHER	34590-94-8	100 PPM SKIN	100 PPM SKIN
SODIUM TRIPOLY PHOSPHATE	7758-29-4	NOT ESTABLISHED	NOT ESTABLISHED
ETHYLENE DIAMINE TETRA ACETATE	64-02-8	NOT ESTABLISHED	NOT ESTABLISHED
WATER	7732-18-5	NOT ESTABLISHED	NOT ESTABLISHED
SODIUM METASILICATE	6834-92-0	15 MG/M3	10 MG/M3

Section 16: Other Information

If applicable, IARL, NPT and OSHA carcinogens and Chemical subject to the reporting requirements of SARA Title III, Section 313 are identified in Section III with an "*".

No testing is required to certify compliance with the above mentioned regulation. The information above is based on the date of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.