

**Section 1 – MANUFACTURER INFORMATION**

<b>Manufacturer</b>	IMS Company	Emergency Phone	800-424-9300
	10373 Stafford Road	Prepared by	Product Safety Advisor
	Chagrin Falls, OH 44023-5296	Prepared/Revised	January 31, 2007
	WEB: <a href="http://imscompany.com">imscompany.com</a>	E-mail	<a href="mailto:sales@imscompany.com">sales@imscompany.com</a>
<b>Products:</b>			
	114652	250 pound bag	Former name SBP1-AB250SS-A
	114656	50 pound drum	Former name SBP1-AB50SS-A
	115759	2.5 pound sample	Former name SBP1-AB50SS-A-SAMPLE

**Hazardous Material Information System**

<b>Health</b> ..... 1	<b>Flammability</b> ..... 1	<b>Reactivity</b> ..... 0	<b>Protection</b> ..... X
* Chronic (Accumulates)			
0 Normal use Material	<b>0 Will Not Burn</b>	0 Stable	<b>X = Consult the</b>
1 Slight Hazard (temporary)	1 Possible to Burn	<b>1 Unstable if Heated</b>	<b>MSDS and</b>
<b>2 Health Affected (lengthy)</b>	2 Burns if Heated	2 Violent Chemical Change	<b>your supervisor</b>
3 Extreme Danger	3 Easily Burns	3 Shock and Heat Sensitive	<b>for your special</b>
4 Severe or Fatal	4 Very Easily Burns	4 May Explode	<b>workplace need</b>

NOTE The HMIS may not be enough hazard information for this chemical in all workplaces. The HMIS system requires employee training about the system and about information in this MSDS.

**Section 2 – INGREDIENTS INFORMATION**

<b>Chemical/Common Name</b>	<b>CAS-Number</b>	<b>%</b>	<b>OSHA PEL</b>	<b>OSHA STEL</b>	<b>ACGIH TLV</b>	<b>ACGIH OTHER STEL</b>	<b>OTHER ppm</b>
Polymethylmethacrylate	9011-14-7	90 to 99.9	NE <sup>(1)</sup>	NE	none <sup>(1)</sup>	NE	
Methyl Methacrylate	80-62-6	<1.5	100 <sup>(2)</sup>	NE	50	100 <sup>(2)</sup>	
Supplements	Trade secret	0.1 to 10	NE	NE	NE	NE	

- (1) 15 mg/m<sup>3</sup> TWA for particulates and 5 mg/m<sup>3</sup> TWA for respirable dust
- (2) Exposure limits are for methyl methacrylate (CAS 80-62-6), which can be liberated when polymethylmethacrylate decomposes. PEL and TLV of 100 ppm calculates to 410 mg/m<sup>3</sup>
- (3) None Established

All components are either listed on or exempt from the TSCA Inventory.

**Section 3 – HAZARDS IDENTIFICATION**

Solid material in colorless granules. If heated above 500°F (260°C), irritating fumes could be evolved.

**HEALTH EFFECTS - Acute and Chronic**

- Inhalation** Unlikely to be hazardous as a solid, but dust or fumes may cause irritation. Decomposition above 500°F ( 260°C) can evolve fumes that could cause irritation to the mucous membranes and upper respiratory tract.
- Eye Contact** Dust may cause eye irritation.
- Skin Contact** Unlikely to be hazardous as a solid, but dust or fumes may cause irritation. Hot fumes or heated material will cause burns, may be harmful if absorbed through skin.
- Ingestion** Low oral toxicity.

**Chronic:** None known.



**Section 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION**

**Ventilation:** Local exhaust, or mechanical or special ventilation to maintain exposure limits.

**Respiratory Protection:** Generally not required if adequate ventilation is provided. If the exposure limit of the product or any of its components is exceeded, an approved organic vapor mask should be used (consult your safety equipment supplier). Above 1000 ppm, an approved self-contained breathing apparatus or airline respirator with full face-piece is required.

**Other Engineering Controls:** To determine exposure levels, perform monitoring. Eyewash station must be available.

**Work Practices:** Do not use in confined or closed space. Ventilation must maintain the concentration of the product and its components below their exposure limits.

**Hygienic Practices:** Avoid contact with skin and avoid breathing vapors. Do not eat, drink, or smoke in work area. Wash hands before eating, drinking, or using restroom after using this or any chemical product.

**Section 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point .....NA	Specific Gravity (Water = 1) ..... NA	Vapor Pressure (PSIG)	NA
Vapor Density (Air = 1) .....NA	Evaporation Rate (Ether) ..... NA		
% VOC by Volume.....NA	% VOC by Weight ..... NA	Solubility in Water	NIL

**Appearance and Odor Information:**

Solid material in colorless granules. Characteristic acrylic odor when heated. The odor does not imply toxicity.

**Section 10 – STABILITY AND REACTIVITY**

**Incompatibility (Materials to Avoid):** Strong alkalis, strong oxidizers.

**Conditions to Avoid for Polymerization:** N/A

**Is the Product Stable?** Yes

**Conditions to Avoid for Stability:** Can depolymerize at temperatures above 500°F (260°C)

**Section 11 – TOXICOLOGICAL INFORMATION**

COMPONENT	CARCINOGENICITY			ORAL TOXICITY	INHALATION TOXICITY
	IARC	NTP	ACGIH		
Polymethylmethacrylate	no	no	no	NE	NE
Methyl Methacrylate	no	no	no	LD50 7872 mg/kg oral rat	LC50 78,000 mg/m <sup>3</sup> 4hr rat

The acute oral (rat) LD50 value for methyl methacrylate monomer (MMA) is approximately 8,400 mg/kg. Liquid MMA may cause primary eye or skin irritation. Allergic skin reactions may occur by repeated direct contact. Vapor overexposure may cause irritation to the eyes or respiratory tract and may cause central nervous system depression. MMA was not carcinogenic to rats and mice when inhaled at concentrations up to 1000 ppm for 2 years in studies sponsored by the National Toxicology Program. These concentrations produced chronic nasal irritation resulting in inflammation of the nasal cavity and degeneration of the olfactory epithelium.

**Section 12 – ECOLOGICAL INFORMATION**

Not contaminating to soil or water

**Section 13 – DISPOSAL CONSIDERATIONS**

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Disposal must be made in accordance with applicable governmental regulations.

**Section 14 – TRANSPORT INFORMATION**

**Ground (US DOT)** not regulated  
**Air (IATA)** not regulated

**Section 15 – REGULATORY INFORMATION**

The following components are defined as toxic chemicals subject to reporting requirements of Section 313 of Title 111 and of 40 CFR 372 or subject to other EPS regulations.

COMPONENT	CAS NO	%	RO (lbs)	S313	RCRA
Methyl Methacrylate	000080-62-6	< . 5	1,000	Yes	U162

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**ADDITIONAL COMMENTS**

**CAUTION Intentional misuse of this chemical product, as with any industrial chemical, in contact with the body can be harmful or fatal. This includes such things as deliberately breathing, placing in mouth, swallowing, placing on skin, or any other body contact, or repeated, or continuous contact.**

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