



S5-32, S5-G BLUSH RETARDER

Written by Super User. Posted in [MSDS SHEETS](#)

SECTION I - PRODUCT IDENTIFICATION

Product Name: **S5-32, S5-G BLUSH RETARDER**

Revision: 1/26/98

SECTION II - HAZARDOUS INGREDIENTS & OTHER COMPONENTS

INGREDIENT CHEMICAL NAME	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	CAS NUMBER
Ethyl 3-Ethoxypropionate	N/A	N/A	N/A	763-69-9

SECTION III - PHYSICAL DATA / CONTENTS WITHOUT PROPELLENT

BOILING POINT: 329.0°F **SPECIFIC GRAVITY (H2O=1):** .950 @ 68.00°F

VAPOR PRESSURE (mm Hg): 1.110 mmHg @ 77.00°F **MELTING POINT:** N/A

VAPOR DENSITY (AIR = 1): 5.000 @ AIR=1 **EVAPORATION RATE (Butyl Acetate = 1):** .12

SOLUBILITY IN WATER: 1.6% **APPEARANCE AND ODOR:** Colorless / ester

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 136.0°F

FLAMMABLE LIMITS LEL: 1.0% UEL: .0%

EXTINGUISHING MEDIA: WATER FOG x STANDARD FOAM x CO₂ x

DRY CHEMICAL x HALON

**UNUSUAL FIRE AND EXPLOSION
HAZARDS:**

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

**SPECIAL PRECAUTIONARY
STATEMENTS:**

Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

SECTION V: REACTIVITY DATA

STABILITY: x Stable Unstable

Incompatibility : Avoid contact with: acids, strong alkalis, strong oxidizing agents.

Hazardous Decomposition: May form: carbon dioxide and carbon monoxide, various hydrocarbons.

**HAZARDOUS
POLYMERIZATION:** May Occur xWill not occur

Conditions to Avoid: N/A

SECTION VI: HEALTH HAZARD DATA

ROUTES OF ENTRY & HEALTH HAZARDS (ACUTE AND CHRONIC)

INGESTION: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amount may be harmful.

EYES: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

INHALATION: Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

SKIN: May cause mild skin irritation. Symptoms may include redness and burning of skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: Seek medical attention if individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

EYES: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

INHALATION: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE
LARGE AMOUNTS ARE
RELEASED:** Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading if runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities, as required, that a spill has occurred.

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable local, state and federal regulations.

**PRECAUTIONS TO BE TAKEN IN
HANDLING AND STORAGE:** Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapors, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, include tank care and tank trucks, should be grounded and/or bonded when material is transferred. Warning. Sudden release of hat organic chemical vapors or mists from

process equipment operating at elevated temperatures and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of this actual process conditions. Any use of this product in elevated temperature process should be thoroughly evaluated to establish and maintain safe operating conditions.

OTHER PRECAUTIONS: N/A

SECTION VIII: CONTROL MEASURES

RESPIRATORY PROTECTION: If over exposure has been determined or documented, a NIOSH/MSFA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions (see your safety equipment supplier.) Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

LOCAL EXHAUST: N/A

PROTECTIVE GLOVES: Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

SECTION IX: SPECIAL PRECAUTIONS

HEALTH: 1	<u>HAZARD RATING KEY</u>
FLAMMABILITY: 2	0 = MINIMAL
REACTIVITY: 0	1 = SLIGHT

PERSONALPROTECTION:	2 = MODERATE
	3 = SERIOUS
	4 = SEVERE
	* = CHRONIC HEALTH EFFECTS

Disclaimer: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.