Advanced
Construction
Technologies

Alchatek

SAFETY DATA

Alchatek Surface Guard 125

Revision Date: 8-26-25
Version 4

Alchatek Surface Guard 125

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name	ALCHATEK SURFACE GUARD 125
Part Number(s)	125M005

Recommended use of the chemical and restrictions on use

Aqueous mixture used for flushing impingement guns.

Supplier Details

Name	Alchatek
Address	4508 Bibb Blvd Tucker, GA 30084
Telephone	(404) 618-0438

Emergency Phone Numbers

Call CHEMTREC Day or Night
1-800-424-9300
+1 703-527-3887

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name of Hazardous Ingredients	CAS #	% by Weight
None	Mixture	100%

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

POTENTIAL HEALTH EFFECTS

CHRONIC HEALTH HAZARD:	This product contains no listed carcinogens according to IARC, AC- GIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.
CAUTION:	MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
EYES:	May cause eye irritation due to mechanical action.
SKIN:	May cause slight skin Irritation with repeated contact.
INHALATION:	Vapor would be water. Residual powder upon water evaporation could cause irritation to upper respiratory tract (nose and throat).
INGESTION:	Swallowing may result in gastrointestinal irritation.

SECTION 4: FIRST AID MEASURES

EYES:	Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
SKIN:	Immediately take off all contaminated clothing. For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.
INHALATION:	Move person to fresh air; if effects occur consult a physician.
INGESTION:	If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
NOTES TO PHYSICIAN:	No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE FIGHTING MEASURES

HAZARDOUS COMBUSTION PRODUCTS:	Decomposition of this product may emit but not be limited to carbon monoxide and carbon dioxide.
EXTINGUISHING MEDIA:	Water spray, dry chemical, carbon dioxide.
GENERAL FIRE HAZARDS:	NA

FIRE FIGHTING EQUIPMENT/ INSTRUCTIONS:	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
FLASH POINT:	> 200 °F

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS, OR RELEASES:	Clean up should only be performed by trained personnel.

SECTION 7: HANDLING AND STORAGE

HANDLING PROCEDURES:	Avoid breathing aerosols, mists and vapors. Avoid contact with skin and eyes. Avoid personal contact with the product or reaction mixture. Use only with adequate ventilation to ensure that the occupational exposure limit is not exceeded. The efficiency of the ventilation system must be monitored regularly because of the possibility of blockage. Avoid breathing aerosols, mists and vapors.
STORAGE PROCEDURES:	Keep the container tightly closed and in a cool, well-ventilated place.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES/FACE:	Wear safety glasses; chemical goggles (if splashing is possible).
SKIN:	Handle with gloves. Protective clothing is recommended.
RESPIRATORY:	Respiratory protection is not required.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR AND ODOR:	Blue, gelatanous, low odor
BOILING POINT:	Above 200F
VAPOR PRESSURE:	not available

EVAPORATION RATE:	not available
SOLUBILITY (H2O):	Soluble
VOC:	none

SECTION 10: CHEMICAL STABILITY & REACTIVITY INFORMATION

CHEMICAL STABILITY:	Stable under normal conditions.
HAZARDOUS DECOMPOSITION:	Hazardous decomposition products: carbon monoxide, carbon dioxide.
HAZARDOUS POLYMERIZATION:	Stable.
INCOMPATIBILITY:	Strong oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

INGESTION:	Single dose oral LD50 has not been determined.
SKIN ABSORPTION:	The dermal LD50 has not been determined.
SENSITIZATION SKIN:	Did not cause allergic skin reactions when tested in humans.
REPEATED DOSE TOXICITY:	Based on available data, repeated exposures are not anticipated to cause significant adverse effects.
CHRONIC TOXICITY AND CARCINOGENICITY:	Similar materials did not cause cancer in long term studies.
DEVELOPMENTAL TOXICITY:	Similar materials did not cause birth defects or other toxic effects to the fetus in laboratory animal studies.
REPRODUCTIVE TOXICITY:	In animal studies, a similar material has been shown not to interfere with reproduction.
GENETIC TOXICOLOGY:	Similar materials were negative in both in vitro and animal genetic toxicity studies.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY

For the major component(s):	Not expected to be acutely toxic to aquatic organisms.
For the minor component(s):	Material is practically non-toxic to aquatic organisms on an acute basis (LC/50/EC50/EL50/LL50>100mg/L in the most sensitive species tested).
BIODEGRADATION:	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS:	Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Chemical waste, even in small quantities, should never be discarded down drain, sewers, or waterways.

SECTION 14: TRANSPORTATION INFORMATION

DOT:	Class - Not regulated
IMDG International Maritime Dangerous Goods Code:	Class - Not regulated
IATA:	Class - Not regulated

SECTION 15: REGULATORY INFORMATION

OSHA STATUS: This product is non-hazardous under the criteria of Federal OSHA.
Hazard Communication Standard 29
CFR 1910.1200.

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

HMIS RATINGS:

Health	1
Flammability	0
Reactivity	0

Protection	B

Further information/disclaimer

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