

SUPERLAP FLUID ABRASIVES

Superlap Silicon Carbide MSDS

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	SUPERLAP SILICON CARBIDE
Trade Name	SUPERLAP SILICON CARBIDE
Manufacturer/Supplier	A T Technical Services & Supplies cc
Address	Unit 4, Gamma Park, 67 Regency Drive, R21 Corporate Park Irene 0157 South Africa
Phone Number	012 345 1005
Fax Number	086 730 4202
Emergency Phone Number	Brad Taylor (012) 345 1005 Cell 082 905 8985

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Description	Black Crystal Grains
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3. HAZARD IDENTIFICATION

Warning	Dust from this product generated by handling may cause skin, eye and respiratory tract irritation. Possible hazards depend on duration and level of exposure
Hazard ratings	Hazardous materials information system (HMIS) Ratings: Health 1 Flammability 0 Reactivity 0 Personal Protection Index X
Health Effects	Prolonged and repeated inhalation of silicon dust may cause chronic effects on respiratory system, such as bronchitis, asthma emphysema signs.
Symptoms of Excessive Exposure	Eye contact: Physical irritation Skin contact: Physical irritation Ingestion: Temporary irritation to gastrointestinal tract
Health Effects - Inhalation	Inhalation: Pulmonary dysfunction

4. FIRST AID MEASURES

Inhalation	Remove affected individual to a dust free place and seek medical help if irritation persists. Notes to physician: skin and respiratory effects are the result of mechanical irritation: fiber exposure does not result in allergic manifestations.
Skin contact	If skin becomes irritated, do not run or scratch exposed skin. Wash area of contact thoroughly with soap and water. Using a skin cream or lotion after washing might be helpful. Change into clean clothing.
Eye contact	If eyes become irritated, wash immediately with large amounts of lukewarm water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Do not rub eyes. Get medical attention if irritation persists.
Ingestion	Relocate affected individual to an environment of clean and fresh air. Drink plenty of water and seek medical help if symptoms persist.

5. FIRE FIGHTING MEASURES

Non-combustible (does not burn) product

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Extinguishing Media	Use proper extinguishing media for the surrounding fire.
Auto-ignition temperature	None
NFPA Unusual Hazards	None
Fire Fighting Protective Equipment	Wear full bunker gear including positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Avoid creating airborne dust. Maintain routine housekeeping procedure. Vacuum only with HEPA filtered equipment. If sweeping is necessary, use a dust suppressant and keep material in closed containers. Do not use compressed air for clean-up. Workers should wear gloves, goggles and approved respirator. Avoid clean up procedures that could cause water pollution.

7. HANDLING AND STORAGE

Clean up	Clean up dust carefully. Use wet sweeping or high efficiency vacuum to remove dust. Do not use compressed air. During after-service removal activities, wet exposed material frequently minimise airborne dust. A surfactant may be added to the water to improve the wetting process. Use only enough water to wet the insulation. Do not allow water to accumulate on floors.
Empty Containers	Product packaging may contain residue. Do not reuse.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Control Measures	Use engineering controls such as ventilation and dust collection devices to limit airborne fiber concentrations to the minimum attainable level.
Eye Protection	In case of overhead work, wear goggles or safety glasses with side shields to prevent eye contact.
Skin Protection	Wear gloves, head covering and full body clothing as necessary to prevent skin irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Oxidising Properties	None
Odour	None
Vapour Density	Not Applicable
Water Solubility	Not Applicable
pH	Not Applicable
Boiling Point	Not Applicable
Chemical Family	SiO ₂
Chemical Indexes	SiC > 97% Al ₂ O ₃ < 1% F.c. < 1%

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under conditions of normal use.
Incompatibility	Hydrofluoric acid, and concentrated alkali

11. ECOLOGICAL INFORMATION

No data list available on adverse effects of the material on the environment

12. DISPOSAL CONSIDERATION

Product Disposal	This material is usually accepted for disposal at most sites licensed for the disposal of industrial waste. Check applicable regulations and waste site policies
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prior to disposal. Waste should be placed into containers for disposal. In case of contamination by other materials classified as hazardous waste, expert guidance should be sought

13. TRANSPORT INFORMATION

Product should remain in sealed containers during transportation

Although the information contained herein is presented in good faith and is to the best of AT. Technical Services & Supplies' knowledge true and accurate, it is made for informational purposes only and without any warranty whatsoever. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.
