

## MATERIAL SAFETY DATA SHEET SAFE GRIP

### 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY:

**NAME OF PRODUCT:** SAFE GRIP

**MANUFACTURERS:** Anti Slip Solutions Ltd  
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### 2: COMPOSITION/INFORMATION ON INGREDIENTS:

Hazardous component:	Cas No.	Index	Risk Phrases:	Concentration:
Sulphuric Acid	7664-93-9		C R35	<5%
Ammonium Bi-Fluoride	1341-49-7		T, C R25, R34	<5%

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### 3: HAZARDS IDENTIFICATION:

Classified as Corrosive and Harmful if swallowed under CHIP regulations.

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### 4: FIRST AID MEASURES:

Eye Contact: Flush with plenty of clean water for at least 15 minutes. Obtain medical attention.  
Skin Contact: Wash off with running water for 2 minutes, then apply Calcium Gluconate gel, cover with dry dressing. Obtain medical advice.  
Inhalation: Remove to fresh air. Obtain medical attention.  
Ingestion: Give copious amounts of water to drink. Obtain urgent medical attention.

Notes for Doctors: Contains Ammonium Bifluoride. If swallowed, consider giving effervescent calcium gluconate tablets (Sandocal). For severe skin burns, injection of calcium gluconate 10% to infiltrate surrounding healthy tissue will help prevent spread of corrosion.

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### 5: FIRE FIGHTING MEASURES:

Flammability: Not normally combustible on account of its water content.  
Extinguishing Media: Foam, Dry Powder, Co2, Halon, fine water spray appropriate to other materials involved in and/or to the circumstances of the fire.  
Protective Equipment: Fire fighters should enter wearing breathing apparatus and full body protective clothing.  
Special Fire/  
Explosion Hazards: Can react with aluminium, lead, tin, magnesium or zinc to produce hydrogen gas.  
Can react vigorously with strong alkalis evolving heat. If involved in fire, corrosive and toxic acidic fumes of Hydrogen Fluoride may be released.

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### 6: ACCIDENTAL RELEASE MEASURES:

Do not allow product to soak into drains or watercourses. For small spillages, dilute greatly with water, neutralise with suitable alkali reagent and wash away with large amounts of water. For large spillages - neutralise with suitable reagent and flush away with large quantities of water.

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### 7: HANDLING AND STORAGE:

Storage Precautions: Store between 0-35°C. Store in original tightly closed containers.  
Handling: Avoid contact with skin and eyes. Observe good standards of industrial hygiene.  
Ensure adequate ventilation. Wear full protective clothing.

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**8: EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Ingredient Name	8hr TWA	15min STEL
Ammonium Bifluoride	WEL	2.5mg/m <sup>3</sup>
Respiratory Protection:	Not normally required. Avoid breathing fumes or vapours.	
Eyes:	Eye protection should be worn. Eye baths should be provided.	
Hand:	PVC or rubber gloves are recommended.	
Skin:	Wear suitable impervious protective clothing; footwear and overalls. Remove contaminated clothing and wash with soap and water. Take care to avoid splashing.	

**9: PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance	Clear Water White Fluid	Specific Gravity @ 20°C	1.060 typical
Odour	Slightly Citrus	pH Neat	1.5 - 2.5
Boiling Point	100°C	pH (5%) in tap water	1.5 - 2.5
Vapour Pressure	Water=18mm Hg	Water Solubility	Totally Soluble

**10: STABILITY AND REACTIVITY:**

Stability:	Stable under normal conditions.
Hazardous Decomposition:	Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which could be toxic and corrosive may be evolved.
Conditions to Avoid:	Naked flames, hot surfaces, other high temperature sources, oxidising agents.

**11: TOXICOLOGICAL INFORMATION:**

Eyes:	Contact causes severe irritation and burns. No permanent damage if treated immediately.
Skin:	Skin contact may give rise to irritation and burns. Prolonged contact could lead to systemic poisoning through absorption of fluoride ions. Burns may not be painful until several hours after contact.
Inhalation:	Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists and vapours caused by atomising systems may cause irritation or burns to eyes and respiratory tract.
Ingestion:	Ingestion of moderate to large quantities could cause nausea, breathing difficulties and acidosis convulsions and collapse.

**12: ECOLOGICAL INFORMATION:**

Water based acidic material. This product is an acidic substance and a nutrient for undesirable algae. It could cause severe local damage to flora and fauna.

**13: DISPOSAL CONSIDERATIONS:**

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. May require notification on account of its strong acidity. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product

**14: TRANSPORT INFORMATION:**

UN No: 3264	Class: 8	Hazard: Corrosive	Packing Group: III	Tremcard: 80G01
Proper Shipping Name:	Corrosive Liquid, Acidic, Inorganic, NOS		ADR Classification Code: C1	
HI No: 80	EMS No: 8-15	MFAG No: 760	Limited Quantities Code: LQ7	

**15: REGULATORY INFORMATION:**

Label for Supply:	Corrosive Hazard Symbol:	C
Risk Phrases:	R34:	Causes Burns
	R22:	Harmful if swallowed
Safety Phrases:	S2:	Keep out of reach of children.
	S24/25:	Avoid contact with skin and eyes
	S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39:	Wear suitable protective clothing, gloves and eye/face protection.
	S45:	In case of accident or if you feel unwell, seek medical advice immediately.

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**16: OTHER INFORMATION:**

Do not mix with other chemicals.

The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations, 2002 (Chip 3).

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

**LEGAL DISCLAIMER:**

The information provided is based on the current state of our knowledge and experience and is provided solely for making safety assessments. However, Anti Slip Solutions Ltd does not assume any liability whatsoever for the accuracy of the information contained herein. Anti Slip Solutions Ltd assumes no legal responsibility for use or reliance on this data. It is the user's sole responsibility to judge the suitability of this product. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Further technical details may be obtained from the company.

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