



**K M G INCORPORATED**  
**MATERIAL SAFETY DATA SHEET**

1. **PRODUCT NAME:** TILE SLIP-STOP
2. **MAKER'S NAME:** KMG INC.
3. **ADDRESS:** 348-10, SEOK KOK-RI, SEONG NAM-MYEON, CHEON AN, CHOONG NAM, KOREA.
4. **PREPARED DATE:** May 13, 2005
  
5. **CHEMICAL FAMILY; PRODUCT USAGE:** ANTI-SLIP TREATMENT
  
6. **HAZARDOUS INGREDIENTS**

INGREDIENT	PERCENT
AMMONIUM BIFLUORIDE	1.5
CAS: 1341-49-7	
  
7. **PHYSICAL DATA**

PHYSICAL STATE, ODOUR, APPEARANCE: COLORLESS CLEAR LIQUID WITH MILD ACID ODOUR  
ODOUR THRESHOLD: N/AP  
SPECIFICATION GRAVITY: 1.02  
COEFFICIENT OF WATER/OIL DISTRIBUTION: N/AP  
VAPOUR PRESSURE: N/AV  
BOILING POINT: 100 DEGREE C.  
FREEZING POINT: N/AV  
PH: 5  
EVAPORATION RATE: N/AP  
VOLATILES, % BY WEIGHT: N/AV  
SOLUBILITY IN WATER: SOLUBLE
  
8. **FIRE AND EXPLOSION DATA**

FLAMMABILITY CONDITION: NON-FLAMMABLE  
MEANS OF EXTINCTION: NONE  
FLASH POINT: NONE  
SENSITIVITY TO SHOCK: NONE  
UPPER FLAMMABLE LIMIT %: N/AP  
LOWER FLAMMABLE LIMIT: N/AP  
AUTO IGNITION TEMPERATURE: N/AP  
HAZARDOUS COMBUSTION PRODUCTS: DANGEROUS WHEN HEATED TO DECOMPOSITION  
EMITTING TOXIC FUMES FLUORIDE
  
9. **REACTIVITY DATA**

INCOMPATIBLE MATERIALS: ALKALINE MATERIALS, MILD STEEL  
CONDITION OF REACTIVITY: NONE  
HAZARDOUS DECOMPOSITION PRODUCT: NONE  
STABILITY: STABLE
  
10. **TOXICOLOGICAL PROPERTY**

ACUTE EFFECTS  
INHALATION: NO SERIOUS OR IRREVERESIBLE EFFECT  
SKIN CONTACT: IRRITATION OF SKIN MAY CAUSE TEMPORARY OR PERMANENT  
BLINDNESS IF NOT TREATED PROMPTLY

INGESTION: SEVERE IRRITATION OF GASTROINTESTINAL TRACT. POSSIBLE PERFORATION OF OESOPHAGUS IF NOT TREATED QUICKLY.

CHRONIC EFFECT

REPRODUCTIVE TOXICITY: NONE

SENSITIZATION: NONE

TOXICOLOGICALLY SYNERGISTIC PRODUCT: NONE

CARCINOGENICITY: NONE

11. FIST AID

INHALATION: NONE NORMALLY REQUIRED

SKIN CONTACT: FLUSH AFFECTED AREA WITH A LOT OF WATER FOR 5 MINUTES. SEE A PHYSICIAN IF IRRITATION IS MANIFESTED.

EYE CONTACT: FLUSH WITH A LOT OF WATER FOR 20 MINUTES. SEE A PHYSICIAN IMMEDIATELY.

INGESTION: DO NOT INDUCE VOMITING DILUTE WITH MILK OR WATER. SEE A PHYSICIAN IMMEDIATELY.

12. PREVENTATIVE MEASURE

SPILL, LEAK, OR RELEASE: CONTAIN SPILL BY DIKING WITH ABSORBENT CLAY. NEUTRALIZE WITH SODA ASH.

WASTE DISPOSAL: CONTACT LOCAL, PROVINCIAL AND FEDERAL AUTHORITIES.

PROTECTIVE EQUIPMENT

RESPIRATORY EQUIPMENT: NONE NORMALLY REQUIRED

VENTILATION: LOCAL EXHAUST

PROTECTIVE GLOVES: RUBBER OR NEOPRENE GLOVES RECOMMENDED.

EYE PROTECTION: SAFETY GLASSES OR FACE SHIELD RECOMMENDED

OTHER PROTECTIVE EQUIPMENT: NONE

13. STORAGE AND HANDLING PRECEDURE

HANDLING PROCEDURES AND EQUIPMENT: HANDLE ACCORDING TO SAFE PRACTICES AVOIDING CONTACT WITH THE MATERIAL.

STORAGE PROCEDURES: STORE IN A COLL DRY AREA AWAY FROM ALKALINE MATERIALS

14. ABBREVIATIONS:

N/AV: NOT AVAILABLE

N/AP: NOT APPLICABLE

**ADVICE NOTE:**

*This Material Safety Data Sheet (MSDS) summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product. If clarification or further information is needed, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.*