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MADRAS FLUORINE PRIVATE LTD

Safety Data Sheet

Potassium Titanium Fluoride

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
Product Name	**Potassium Titanium Fluoride**
Product Codes	848 001
CAS#	16919-27-0
RTECS	Not available.
TSCA	TSCA 8(b) inventory: No products were found.
CI#	Not available.
UN No	**UN 3288**
Packing Group	**III**
Chemical Name	Not available.
Chemical Formula	K2TiF6
Synonyms	Fluotitanatede Potassium; Postassium fluorotitanate;Dikalium Hexafluorotitanate; Titanium Potassium Fluoride; Titanium(+4)Potassium Fluoride

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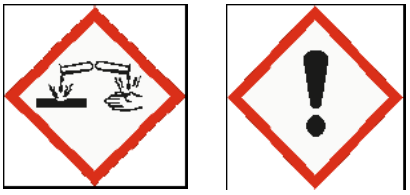
SECTION 2 : HAZARDS IDENTIFICATION

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Acute toxicity, Oral (Category 4), H302
Serious eye damage (Category 1), H318
Skin sensitisation (Category 1), H317
For the full text of the H-Statements mentioned in this Section, see Section 16.

Label elements
Labelling according Regulation (EC) No 1272/2008
Pictogram



Signal word Danger

Hazard statement(s)

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

Precautionary statement(s)

P280	Wear protective gloves/ eye protection/ face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements: none

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Formula : K2TiF6
Molecular weight : 240.05 g/mol
CAS-No. : 16919-27-0
EC-No. : 240-969-9

Composition:

Name	CAS #	% by Weight
Potassium Titanium Fluoride	16919-27-0	100

SECTION 4 : FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:
If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical got on the victim's exposed skin, such as the hands : Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Not available.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion:
Not available.

SECTION 5 : FIRE–FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
Hydrogen fluoride, Potassium oxides, Titanium/titanium oxides

Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
No data available

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Corrosive solid.
Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7 : HANDLING AND STORAGE

Precautions:
Keep container dry. Do not breathe dust. Never add water to this product In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes May corrode glass. Store in an appropriate container.

Storage:
May corrode glass. Store in an appropriate container. Corrosive materials should be stored in a separate safety storage cabinet or room.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	White Powder
Purity	**98%** Min
Taste	Not available.
Molecular Weight	240.06 g/mole
Color	Not available.
pH (1% soln/water)	Not available.
Boiling Point	Not available.
Melting Point	Not available.

SECTION 10 : STABILITY AND REACTIVITY

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Oxidizing agents

Corrosivity: Corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Hydrogen fluoride, Potassium oxides, Titanium/titanium oxides

SECTION 11 : TOXICOLOGICAL INFORMATION

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available.
LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:
Extremely hazardous in case of ingestion.
Very hazardous in case of skin contact (corrosive, irritant), of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

Contaminated packaging
Dispose of as unused product.

SECTION 14 : TRANSPORT INFORMATION

US DOT HAZARD CLASS: 6.1 PG III

US DOT ID NUMBER: UN 3288

SYMBOL : SKULL & CROSSONES

PROPER SHIPPING NAME: TOXIC SOLID, INORGANIC, N.O.S. (Potassium Fluorotitanate)

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

SECTION 15 : REGULATORY INFORMATION

Federal and State Regulations: No products were found.

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC): R34- Causes burns.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 0

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

SECTION 16 : OTHER INFORMATION

References: Not available.

Other Special Considerations: Not available.

Creation Date : 18.9.2000

Disclaimer:

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