Revision [.]	13.07.2010

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August Schematics		Product safety department.
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Storage: p405 Store locked up, P591 Dispose of contenticontainer in accordance with local/regional/national/international regulations. 9 Composition/Information on ingredients P591 Dispose of contenticontainer in accordance with local/regional/national/international regulations. 9 Composition/Information on ingredients Potestium fluorosulfate (CAS# 13455-22-6), 100% 4 First ald measures General information Instantly remove any clothing solied by the product. After skination After inhalation Instantly remove any clothing solied by the product. After skin contact Solie by the part of the consult doctor if symptoms persist. Soliable extinguishing measures Suitable extinguishing measures Bub in Ca-gluconate solution or Ca-gluconate gel immediately. After swallowing Rub in Ca-gluconate solution or Ca-gluconate gel immediately. Rub in Ca-gluconate solution or Ca-gluconate gel immediately. West self-contante breating aponts Suitable extinguishing agonts Use fire fighting measures that suit the environment. Can be released in Case of fire: More full producties of combustion or flue gases: The special hazar protection: West full protective sol. 6 Accidental release measures West protective sol. West full protective sol. West full protective sol. Measures for cleaning/collecting: Dispose of containers fully sealed. Stora in cod, dry protective sult. See Section 15 for information on safe handling See Section 15 for information on safe handling. See Section 16 fore information on safe handling. See Section 16 for inf		water/shower.
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7 Handling and storage Handling Information for safe handling: Handle under dry protective gas. Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Information about protection against explosions and fires: Handle under dry protective gas. Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Storage Requirements to be met by storerooms and containers: The product is not flammable Storage facility: No special requirements. Do not store together with acids. Store away from water. Store under dry inert gas. Protect from humidity and keep away from water. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Store in a locked cabinet or with access restricted to technical experts or their assistants. CB	Additional information:	See Section 7 for information on safe handling
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		Store in cool, dry conditions in well sealed containers.
(Contd. on page 2)		GB
		(Contd. on page 2)

Trade name Potassium fluorosulfate

8 Exposure controls and personal protect Additional information about design of technical systems:	ction Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.
Components with critical values that require monitoring at the workplace:	·
	Fluorides (as F) mg/m3 ACGIH TLV 2.5 Austria MAK 2.5 Belgium TWA 2.5 Finland TWA 2.5 France TWA 2.5 Germany MAK 2.5 Hungary TWA 1; 2-STEL Netherlands MAC-K 3.5 Norway TWA 0.6 Poland TWA 1; 3-STEL Sweden NGV 2 Switzerland MAK-W 1.5; 3-KZG-W United Kingdom TWA 2.5 Russia TWA 2 Desemet TWA 2
Additional information:	Denmark TWA 2.5 USA PEL 2.5 No data
Personal protective equipment	no uala
General protective and hygienic measures	The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.
Breathing equipment: Eye protection:	Use breathing protection with high concentrations. Safety glasses Tightly sealed safety glasses. Full face protection
Body protection:	Face protection Protective work clothing.
9 Physical and chemical properties:	
General Information	Douider
Form: Colour: Smell:	Powder White Not determined
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	311°C Decomposes Not determined
Flash point:	Not applicable
Ignition temperature:	Not determined
Decomposition temperature: Danger of explosion:	Not determined Product is not explosive.
Critical values for explosion:	
Lower: Upper:	Not determined Not determined
Steam pressure:	Not determined
Density	Not determined
Solubility in / Miscibility with Water:	Hydrolyzes
10 Stability and reactivity	
Thermal decomposition / conditions to be	No deserve Wee Wee deserved even the transformed and the
avoided: Materials to be avoided:	No decomposition if used and stored according to specifications. Acids
Dangerous reactions: Dangerous products of decomposition:	Water/moisture No dangerous reactions known Hydrogen fluoride (HF) Sulphur oxides (SOx)
11 Toxicological information	
Acute toxicity: Primary irritant effect: on the skin:	Corrosive effect on skin and mucous membranes.
on the eye:	Irritant for skin and mucous membranes. Strong corrosive effect.
Sensitization:	Irritant effect. No sensitizing effect known.
Additional toxicological information:	Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
12 Ecological information:	
Additional ecological information: General notes:	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Do not allow material to be released to the environment without proper governmental permits.
	GB

Revision: 13.07.2010

13 Disposal considerations Consult state, local or national regulations for proper disposal. Product: Recommendation Consult state, local or national regulations for proper disposal. Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.
Product: Consult state, local or national regulations for proper disposal. Recommendation Hand over to disposers of hazardous waste. Uncleaned packagings: Must be specially treated under adherence to official regulations.
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Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.
Recommendation: Disposal must be made according to oricla regulations.
14 Transport information
Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)
ADR/RID-GGVS/E Class: 8 (CT2) Corrosive substances. Kemler Number: 86
UN-Number: 2923
Packaging group: II Label 8+6.1
Designation of goods: 2923 CORROSIVE SOLID, TOXIC, N.O.S. (Potassium fluorosulfate) Limited quantities (LQ) LQ23
Transport category 2 Tunnel restriction code E
Maritime transport IMDG/GGVSea:
IMDG/GGVSea Class: 8
UN Number: 2923 Label 8+6.1
Packaging group: II Marine pollutant: No
Correct technical name: CORROSIVE SOLID, TOXIC, N.O.S. (Potassium fluorosulfate)
Air transport ICAO-TI and IATA-DGR:
ICAO/IATA Class: 8 UN/ID Number: 2923 Label 8+6.1
Packaging group: II Correct technical name: CORROSIVE SOLID, TOXIC, N.O.S. (Potassium fluorosulfate)
UN "Model Regulation":
UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (6.1), II
15 Regulatory information
Designation according to EC guidelines:
Code letter and hazard designation of product:
C Corrosive
Risk phrases: 22 Harmful if swallowed.
34 Causes burns.
Safety phrases: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 36/37/39 W ear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) National regulations
Information about limitation of use: For use only by technically qualified individuals.
Employment réstrictions concerning young persons must be observed.
Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
16 Other information: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.
Department issuing data specification sheet: Health, Safety and Environmental Department. Contact: Zachariah Holt
Abbreviations and acronyms: Danaerous Goods by Road)
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the Internationa Transport of Dangerous Goods by Rail)
IMDG: International Mantime Code for Dangerous Goods IATA: International Air Transport Association IATA-DGP: Dangerus Goode Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization ICAO: International Civil Aviation Organization ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
Contact: Zachariah Holt Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) DD: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Carriage of Dangerous Goods by Rail) MDG: International Maritime Code for Dangerous Goods by Rail) IMDG: International Air Transport Association IATA-IDGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization ICAO: International Civil Aviation of the International Civil Aviation Organization" (ICAO) GHS: Globally Harmonized System of Classification and Labelling of Chemicals CAS: Chemical Abstracts Service (division of the American Chemical Society)