

1. Product Identification

Product Code	QSD-1		
Trade Name	Super Deox 1		
Manufacturer	Qualitek (Europe) Ltd	Unit 9 Apex Court, Bassendale Road, Bromborough, Wirral CH62 3RE. UK. Fax 44(0)151-346-1408 Tel 44(0)151-334-0888	
Intended Use	Soldering application; used for removing dross from wave soldering pots		

2. Composition and information on Components

Hazardous Components	Content	EC No	CAS	Hazard	Risk
Ammonium Fluoborate	<60%	n/c	13826-83-0	n/c	n/c
Potassium Salt	>40%	n/c	14075-53-7	n/c	n/c
Other	< 1%				

3. Hazard Identification

Main Hazards	Can cause irritation of the eye and skin on contact with sensitive individuals
Health Effects Inhalation - Ingestion	Inhalation of the fumes or ingestion may cause headache, nausea, muscular pain. Irritation of the eyes and nose may result from contact with fumes.
Chronic (Prolonged effects)	Anaemia, insomnia, weakness, constipation, nausea and abdominal pain due to ingestion. Skin rash, damage of mucous membrane due to skin exposure and inhalation.

4. First Aid Measures

First Aid - Eyes	Immediately flush the eyes with water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
First Aid - Skin	Wash thoroughly with soap and water .
First Aid - Inhalation	Remove person to fresh air and keep subject warm and at rest. Seek medical attention.
First Aid - Ingestion	Wash out mouth with water. Do not induce vomiting. Keep subject warm and at rest. Seek medical attention urgently.

5. Fire Fighting Measures

Extinguishing media	Not flammable-use Carbon Dioxide, Dry Chemical or foam.
Special Hazards	Dangerous when exposed to heat of flame. Containers may melt in heat of fire.
Protective Equipment for Fire Fighting	Wear full protective clothing and use breathing apparatus.

6. Accidental Release Measures

Personal Precautions Wear appropriate protective clothing. Avoid breathing vapour

Environmental Precautions Prevent the product entering drains or water courses

Spillages Small spillages can be brushed up.

7. Handling and Storage

Handling Use in well ventilated area. Avoid breathing in vapour or resultant fumes. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Always wear gloves before opening containers and during handling. Cardboard boxes containing multiple packages may weigh up to 30Kgs

Storage Storage area should be well ventilated, cool and dry. Store in original containers .

8. Exposure Controls - Personal Protection

Occupational Exposure Limits	Content	Long Term(8h) OEL TWA	OSHA PEL	ACGIH TLV
None Established				

Engineering Control Measures Ensure work area is well ventilated and equipment properly exhausted.

Respiratory Protection Respiratory protection if there is a risk of prolonged exposure to fumes.

Eye Protection Close fitting Chemical goggles should be worn when handling or pouring

Skin Protection Normal work wear but rubber apron if there is a danger of splashing or spillage of molten solder.

Foot Protection Wear protective boots when handling molten solder

Hand Protection when
Nitrile rubber or PVC gloves if handling product and heat resistant gloves
Depositing in heated solderbath or tank.

9. Physical and Chemical Properties

Appearance	White powder
Odour	None
Boiling point	n/a
Melting point	>300 degC
Flash Point	n/a
Auto Ignition Temperature	n/a
Flammability limits in air	Lower : n/a Upper : n/a
Explosion Limits	Lower : n/a Upper : n/a
Vapour pressure	n/a
Vapour Density	n/a
Evaporation Rate	n/a
Specific Gravity	1.97
Solubility	Completely soluble in water (H ₂ O = 1 @ 25 Deg C)

10. Stability and Reactivity

Stability	Stable under normal conditions
Conditions to avoid	Extreme heat over 300 degC
Materials to avoid	Alkaline solutions may release ammonia
Hazardous Decomposition Products	Ammonia and BF ₃ are possible

11. Toxicological Information

Basis of Assessment	Information given is based on product data(Flourine is chemically bound to Boron so toxicity based on Flouride is not applicable.)
Acute Toxicity - Oral	n/a
Acute Toxicity - Dermal	n/a
Acute Toxicity - Inhalation	n/a
Eye Irritation	Slight irritant
Skin Irritation	Slight Irritant
Respiratory Irritation	Can cause irritation to the respiratory tract.
Skin sensitisation	May cause skin sensitisation
(Sub) Chronic Toxicity	Repeated exposure can cause rash
Human effects	Repeated exposure can cause skin rash,pulmonary irritation,headache and Irritation of mucous membranes.There may be other health risks but these will Vary from person to person.

12. Ecological Information

Mobility	The product will readily dissolve in water
Degradability	This product is readily Biodegradable
Bio-accumulation	Not expected to accumalate
Ecotoxicity	n/a

13. Disposal

Product	Material is not classified as special waste but should only be disposed of in Accordance with current regulations.
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14. Transport Information

UN Number, Shipping name and Class	n/a
Proper Shipping Name	n/a
UN Class / Packing Group	not classified
Packing Symbol	n/a
Trem Card Number	none

15. Regulatory Information

Labelling Information

n/a

Risk Phrases

Not Classified

Safety Phrases

Not Classified

EC Annex 1 Classification

Not Classified

Regulations / References

Refer to the requirements of all relevant local regulations. For the United Kingdom, see Control of Substances Hazardous to Health Regulations (COSHH), the Health and Safety at Work Act (HSWA) and the Carriage of Dangerous Goods by Road and Rail Regulations 1994.

16. Other Information

Application

See technical data sheet for application information

Revision Notes

Updated intended use