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NOS HEALTH + SAFETY

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Material Safety Data Sheet

Product Information

Product Name Multicore 362 Flux Cored Savbit Solder Wire

Use

Rosin based flux cored solder wire for saving copper erosion.

Composition

A tin/lead/copper solder alloy wire containing a halide activated rosin based flux.

Physical and Chemical Properties

Appearance and Odour	Silver white alloy wire containing 5 cores of flux, odourless
Specific Gravity at 20°C	7.3
Alloy Liquidus	215°C
Solidus	183°C
Vapour pressure (20°C)	Not applicable
Vapour density (air = 1)	Not applicable
Solubility in water	Insoluble
Materials to avoid	None.

Fire and Explosion Hazards

Flash point (Abel)	None
Auto-ignition Temperature	Not applicable
Explosive limits in air	Lower (% v/v) Not Upper (% v/v) Applicable

Action in case of fire

Extinguishers:- Not applicable
Do not use water where molten metal is present.

Decomposition products:- Acrid fumes irritating to eyes, throat and respiratory organs.
In the event of high temperatures heavy metal dust, fume and/or vapours may be formed.
See also Health Hazards - Inhalation

Health Hazards

Inhalation

Approved Occupational Exposure Standards

	Long Term (8 Hour TWA)	Short Term (10 Minute)
Lead	0.15 mg/m ³	
Rosin flux fumes (measured as formaldehyde)	0.1 mg/m ³	0.3 mg/m ³
(Standards from HSE Guidance Note EH 40/89)		

Inhalation of fumes evolved at soldering temperatures will irritate the nose throat and respiratory organs. Prolonged or repeated exposure to rosin flux fumes may result in sensitisation leading to occupational asthma.

Below a soldering temperature of 500°C the amount of lead in the fumes is negligible.

Ingestion

Not applicable

Skin Contact

Lead may be transferred from the skin. In some individuals the rosin may cause sensitisation by skin contact. Individuals that are sensitised to rosin derivatives may also react to rosin.

Eye Contact

Not applicable

First Aid

Inhalation

Remove from exposure to fresh air, obtain medical attention if there is any respiratory distress

Ingestion

Not applicable

Skin Contact

Wash hands with soap and warm water after handling solder. If any skin irritation develops seek medical advice.

Eye Contact

Not applicable.

Handling and Storage

Storage Precautions

Flux cored solder wire should be stored in a cool dry area.

Handling and Use Precautions

Use this product in a well ventilated area. Fumes evolved during soldering should be extracted away from the operator.

Avoid inhaling the fumes evolved during soldering.

Wash hands thoroughly with soap and warm water after handling solder particularly before eating drinking or smoking.

Personal Protection

None

Emergency Action

Spillage

Not applicable

Waste Disposal

Dispose of waste in accordance with local, and national regulations. Recommended method:- as scrap solder metal.

Labelling (CPL Regulations 1984)

Classification	Not classified as a hazardous substance.
Risk Phrases	None
Safety Phrases	None

Transport Precautions

Savbit 362 Flux cored solder is not classified as a hazardous substance for transport.

Statutory and Other Controls (UK)

SI 1980/1248	The Control of Lead at Work Regulations 1980.
SI 1988/1657	The Control of Substances Hazardous to Health 1988.

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