Revision Date: 13/7/2004
Revision Number: 1
Material/Trade Name: STUARTS ENGINEERING MARKING

1 - Substance Identification

Material/Trade Name	**:** Stuarts Engineering Marking
Type	**:** Penetrant Suspension
Company	**:** Industrial and Consumer Supplies
Address	**:** Tor-Y-Mynydd Farm Devauden Chepstow NP6 6NU
Telephone	**:** 01600 860869
Fax	**:** 01600 860869
Emergency Telephine	**:** 07899 761593

2 - Composition

Substance	**% Wt.**	**CAS No.**	**EC No.**
Ammonium iron hexacyanoferrate	30%	25869-00-5	247-304-1
Petroleum distillates	<20%	64742-65-0	265-169-7
Residual petroleum oils	<20%	64742-62-7	265-166-0
China Clay	50%	1332-58-7	310-127-6

3 - Hazard Identification

Not classified as hazardous under the CHIP Regulations 2002
Not Hazardous according to 88/379/EEC and subsequent amendments

4 - First-aid Measures

Inhalation:	Remove to fresh air and rest If recovery is not rapid call for prompt medical attention
Eyes:	Irrigate with water for at least 15 minutes Take care not to wash chemical from one eye to another If irritation persists call a doctor
Skin:	Remove contaminated clothing Wash with soap/cleanser and rinse with plenty of water If irritation persists, obtain medical attention
Ingestion:	Do not induce vomiting Give plenty of water to drink Beware of aspiration if vomiting occurs Seek medical attention immediately

5 - Fire-fighting Measures

Suitable Extinguishers:	Alcohol resistant foam Dry powder Carbon dioxide Water spray/fog
Unsuitable Extinguishers:	Direct water jets
Hazardous Decomposition:	Toxic fumes are produced in fire

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5 - Fire-fighting Measures (Continued)

Special Procedures:
Do not breathe decomposition products and fumes
Use approved self-contained breathing apparatus
Wear fire retardant clothing
Large fires should only be dealt with by trained personnel

6 - Accidental Release Measures

Exposure Controls:
Ventilate area
Do not allow spill to enter drains and watercourses

Personal Protection:
Wear suitable respiratory protection for large spillages and in confined spaces
Wear rubber gloves
Use eye protection such as goggles to BS EN 166 Chemical Grade

Disposal Considerations:
Absorb in inert material such as sand or absorbent granules
Scoop up and place in plastic container to await transfer
Dispose in accordance with local regulations

7 - Handling and Storage

Handling:
Avoid skin contact
Avoid eye contact
Avoid inhalation of vapour
Ensure adequate ventilation
Use local extraction equipment where possible
Wear suitable protective clothing (see section 8)

Storage:
Store in tightly closed labelled containers
Store in a cool, dry, well ventilated area

8 - Exposure Controls

Occupational Exposure Limit: Not Assigned

Wear rubber gloves
Wear suitable overalls or apron and change if contaminated
Wear suitable eye protection such as BS EN 166
Use in well ventilated areas.
Use mechanical ventilation if possible
After contact with skin wash off immediately

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9 - Physical & Chemical Properties

Appearance	**:** Suspension in mineral oil
Odour	**:** Pleasant
pH	**:** n/e
Boiling point/range	**:** >320°C (residual oils)
Melting point/range	**:** -9°C (residual oils)
Flash point	**:** 223°C (residual oils)
Flammability	**:** NON-FLAMMABLE
Autoflammability	**:** n/e
Explosive properties	**:** n/e
Oxidising properties	**:** None
Vapour pressure	**:** <0.1kPa at 20°
Relative density	**:** 0.893 (residual oils)
Solubility	**:** Almost insoluble
Vapour Density	**:** n/e
Viscosity	**:** 99.0 cSt
Evaporation rate (Bu Ac = 1)	**:** n/e

(n/e = not established)

10 - Stability and Reactivity

Stable at normal temperatures
Materials to avoid: oxidising agents
Conditions to avoid: high temperature & direct sunlight
No hazardous decomposition products when stored and handled correctly

11 - Toxicological Information

Routes of exposure: inhalation, skin absorption and ingestion
Acute effects from ingestion: Nausea, vomiting and stomach pain
Repeated skin contact may cause dermatitis

12 - Ecological Information

Ecotoxicity:- No specific data available
Persistence:- No specific data available
Bioaccumulative potential:- No specific data available
Mobility:- Not determined

13 -Disposal Considerations

Do not discharge into drains or watercourses
Dispose of in accordance with local regulations

14 -Transport Information

Not classified as hazardous for transport

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15 - Regulatory Information

a) Risk & Safety
Not classified as hazardous under the CHIP Regulations 2002

b) Other Regulations

Health & Safety at Work etc. Act 1974
Control of Substances Hazardous to Health Regulations 2002
Environmental Protection Act 1990
Special Waste Regulations 1996

16 - Other Information

Not Applicable