



# COSHH Risk Assessment 002

Document Reference - AG/CRA/D002V

Assessment Reference – AG/CRA/PYR-001V

## Pyrite

<b>Describe the activity or work process.</b> <i>(Include how long and how often this is carried out and the quantity of substance used)</i>	This product is used in small amounts within the product, and often. The use of this substance is just as a mineral within the product.
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<b>Location of process being carried out?</b>	Various locations
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<b>Identify the persons at risk:</b>	<table border="1" style="width: 100%;"> <tr> <td style="width: 25%;"><b>Employees</b> <i>(including trainees)</i></td> <td style="width: 10%; text-align: center;"><b>X</b></td> <td style="width: 25%;"><b>Contractors</b> <i>(inclusive of all types)</i></td> <td style="width: 10%;"></td> <td style="width: 25%;"><b>Public</b> <i>(including Visitors)</i></td> <td style="width: 10%; text-align: center;"><b>X</b></td> </tr> </table>	<b>Employees</b> <i>(including trainees)</i>	<b>X</b>	<b>Contractors</b> <i>(inclusive of all types)</i>		<b>Public</b> <i>(including Visitors)</i>	<b>X</b>
<b>Employees</b> <i>(including trainees)</i>	<b>X</b>	<b>Contractors</b> <i>(inclusive of all types)</i>		<b>Public</b> <i>(including Visitors)</i>	<b>X</b>		

<b>Name the substance involved in the process and its manufacturer.</b> <i>(A copy of a current safety data sheet for this substance should be attached to this assessment)</i>	<p>Pyrite</p> <p>This substance can be obtained from various suppliers and naturally.</p>
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### Classification (state the category of danger)

	Acute toxicity Cat 1-3		Serious health hazard		Aquatic Environment
	Acute toxicity (cat 4)		Flammable		Explosive
	Corrosive		Oxidising		Gas under pressure

### Hazard Type

				<b>X</b>		<b>X</b>		Other, state below
Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other	

### Details of the "Other" box ticked above

### Substance Characteristics

<b>Appearance</b>	Crystal Cluster	<b>Colour</b>	Gold	<b>Odour</b>	Not determined
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### Route of Enter

<b>X</b>		<b>X</b>	
INHALATION	ABSORPTION	INGESTION	INJECTION

### Workplace Exposure Limits (WELs) please indicate n/a where not applicable

No exposure limits have been recorded on EH40, however; as stated by the MSDS.

*(USA)*  
 REL, Long term value; 1 mg/m<sup>3</sup>  
 TLV, Long term value; 1 mg/m<sup>3</sup>

### State the Risks to Health from Identified Hazards

NOT classified as dangerous.



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**Control Measures:** (for example extraction, ventilation, training, supervision). Include special measures for vulnerable groups, such as disabled people and pregnant workers

**Respiratory Protection:** Suitable respiratory protection should be used to protect against inhalation of dust, and to ensure exposure is below the Workplace Exposure Levels given at the start of this section.

**Hand Protection:** Gloves should be worn to avoid abrasion of the skin when handling the product. Wear waterproof gloves if the product is wet.

**Eye Protection:** Goggles or protective glasses should be worn to prevent dust entering the eyes if required.

**Skin Protection:** Overalls to protect skin and clothes. The use of skin barrier cream is also recommended. Hands should be washed thoroughly before handling or eating food or drink.

Is health surveillance or monitoring required?	Yes		No	X
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### Personal Protective Equipment (state type and standard)

Dust mask	X	EN 149 FFP3	Visor		
Respirator			Goggles	X	BS EN 166
Gloves	X		Overalls	X	Keep skin covered
Footwear			Other		

### First Aid Measures

**Inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.

**Skin Contact:** Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

**Eye Contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**Ingestion:** Seek medical treatment.

### Fire Fighting Measures

**Suitable extinguishing agent:** Extinguishing powder. Do not use water.

**Special hazards arising from the substance or mixture:** If this product is involved in a fire, the following can be released: Sulfur oxides (SOx), Hydrogen sulfide

**Protective equipment for fire-fighters:** Wear self-contained respirator. Wear fully protective impervious suit.

### Storage

Keep container tightly sealed. Store in cool, dry place in tightly closed containers.

### Disposal of Substances & Contaminated Containers

Normal Business Waste Stream	X	Hazardous Waste		Return to Supplier		Other	
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**Disposal Process** In accordance with the local or national authorities.

**(If Other Please State):**

Is exposure adequately controlled?	Yes	X	No	
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### What further action needs to be taken

Action	By Who	By what date
Ensure suitable controls are in place by regular review	Management and Employees	On-going

**Assessor** Craig Parrott



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