



## SAFETY DATA SHEET

### Ferrous Xtract

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** Squid Ink Ferrous Xtract

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Alloy Wheel Cleaner

**Uses advised against** This product is not recommended for any other purpose than stated above.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Squid Ink Detailing Ltd  
16 Cartwright Street,  
Shireoaks,  
Worksop,  
Notts,  
S81 8NJ

**Contact person** Michael Wheatley  
07545044316  
info@squidinkdetailing.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** As Above - Opening Hours 9 am - 4 pm (Monday - Friday)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC/1272/2008)

**Physical hazards** Not Classified

**Health hazards** Acute Tox. 4 - H302 Skin Sens. 1 - H317

**Environmental hazards** Not Classified

##### 2.2. Label elements

**Pictogram**



**Signal word** Warning

**Hazard statements** H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.

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<b>Precautionary statements</b>	P261 Avoid breathing vapour/ spray.
	P264 Wash contaminated skin thoroughly after handling.
	P270 Do not eat, drink or smoke when using this product.
	P272 Contaminated work clothing should not be allowed out of the workplace.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
	P302+P352 IF ON SKIN: Wash with plenty of water.
	P321 Specific treatment (see medical advice on this label).
	P330 Rinse mouth.
	P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
	P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/ container in accordance with national regulations.	

**Contains** Sodium Mercaptoacetate

**Detergent labelling** < 5% non-ionic surfactants

**Supplementary precautionary statements** P272 Contaminated work clothing should not be allowed out of the workplace.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Sodium Mercaptoacetate</b>	<b>10-30%</b>
CAS number: —	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Met. Corr. 1 - H290	Xn;R21/22. R43.
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Skin Sens. 1 - H317	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Take off contaminated clothing and shoes immediately.
<b>Inhalation</b>	If inhaled, remove to fresh air. Oxygen, if needed. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth thoroughly with water. If conscious, give the victim plenty of water to drink. Induce vomiting immediately and call a physician. Hold person's head low, to prevent aspiration (inhalation into the windpipe). If accidentally swallowed obtain immediate medical attention.
<b>Skin contact</b>	Wash immediately with plenty of water.
<b>Eye contact</b>	Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Irritation causing coughing. Possible resorption by mucous membrane.

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<b>Ingestion</b>	Headache. Dizziness. Tiredness. Stomach and intestinal symptoms.
<b>Skin contact</b>	Irritation, sensitization.
<b>Eye contact</b>	Conjunctivitis.

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	<p>This substance is a toxic and neutral (ph) salt.  Elimination is therefore the main aim of treatment.  Irritated areas of skin can be treated with corticosteroids.  Due to its non-corrosive nature, elimination can be achieved through immediate vomiting or irrigation of the stomach if the chemical is ingested. It is helpful to give the person powdered carbon afterwards.  Take preventative measures against aspiration (intubation if necessary).  Treat symptomatically.</p>
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Carbon dioxide (CO <sub>2</sub> ). Foam. Water spray.
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### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous combustion products</b>	<p>Exposure to decomposition products may be a hazard to health.  Hazardous decomposition products formed under fire conditions:  Nitrogen oxides (NO<sub>x</sub>)  Carbon monoxide  Sulphur oxides</p>
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	<p>Use water spray to cool unopened containers.  Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  Prevent fire extinguishing water from contaminating surface water or the ground water system.</p>
<b>Special protective equipment for firefighters</b>	<p>In the event of a fire, wear self-contained breathing apparatus.  Use personal protective equipment.</p>

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	<p>Avoid contact with skin and eyes. For personal protection, see Section 8. Ensure adequate ventilation.  Evacuate personnel to safe areas.  Keep people away from and upwind of spill/leak.</p>
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. To prevent release, place container with damaged side up. Must not get into the soil, sewerage systems and surface water.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	<p>Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  Treat recovered material as described in the section "Disposal considerations".</p>
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### 6.4. Reference to other sections

**Reference to other sections** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Good personal hygiene procedures should be implemented. Use only in area provided with appropriate exhaust ventilation.  
Handle and open container with care.  
Avoid contact with skin and eyes.  
Ensure that eye flushing systems and safety showers are located close to the working place.  
Smoking, eating and drinking should be prohibited in the application area.  
Exposure controls. Advice on protection against fire and explosion:  
Avoid overheating.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store at room temperature in the original container.  
Store between 5 and 25 degrees C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.  
Containers of polyethylene, polypropylene stove-enamelled steel, glass.  
Use PTFE seals. Further information on storage conditions:  
Store in accordance with the particular national regulations.

Advice on common storage: Keep away from oxidising agents and strongly acid or alkaline materials. Keep away from food, drink and animal feedingstuffs.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

**Ingredient comments** No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering controls** Ensure adequate ventilation of the working area.

**Eye/face protection** Tightly fitting safety goggles.  
Wear eye/face protection.



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<b>Hand protection</b>	<p>The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Protective gloves:</p> <p>Nitrile latex / Layer thickness 0,4mm / Break through time &gt; 480 min (level 6) / EN 374</p> <p>Polychloroprene / Layer thickness 0,4mm / Break through time &gt; 480min (level 6) / EN 37403</p> <p>General recommendation: the usage time for protective gloves is approx. 50% of the breakthrough time measured in the laboratory.</p>
<b>Other skin and body protection</b>	<p>Wear closed work/protective clothing. When filling and refilling outside a closed system, additionally put on aprons made of polyethylene (PE).</p>
<b>Hygiene measures</b>	<p>Wash hands before breaks and at the end of workday.</p> <p>Preventive skin protection</p> <p>General industrial hygiene practice</p> <p>Keep working clothes separately</p> <p>Take off contaminated clothing and shoes immediately.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Avoid contact with the skin and the eyes.</p> <p>Regular cleaning of equipment, work area and clothing.</p> <p>Ensure adequate ventilation, especially in confined areas.</p> <p>Handle in accordance with good industrial hygiene and safety practice.</p> <p>Exposure controls</p>
<b>Respiratory protection</b>	<p>In the case of insufficient exhaustion/ventilation, suitable respiratory equipment should be used.</p> <p>Recommended Filter type:</p> <p>gas filter type A</p> <p>Follow the instructions for use issued by the producer.</p>
<b>Environmental exposure controls</b>	<p>Must not get into the soil, sewerage systems and surface water. In the event of contamination, notify the responsible authorities.</p>

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Characteristic.
<b>pH</b>	pH (concentrated solution): ~5
<b>Relative density</b>	~ 1
<b>Solubility(ies)</b>	Soluble in water.

#### 9.2. Other information

<b>Other information</b>	No relevant information available.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	No information available
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#### 10.2. Chemical stability

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**Stability** No information available.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not available.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat.

### 10.5. Incompatible materials

**Materials to avoid** Incompatible with oxidizing agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Hazardous decomposition products formed under fire conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 1,900.4903265

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 7,601.96130602

**General information** The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful

**Inhalation** Prolonged inhalation of high concentrations may damage respiratory system.

**Ingestion** Harmful if swallowed.

**Skin contact** Harmful in contact with skin. May cause sensitisation by skin contact.

**Eye contact** Irritating to eyes. May cause severe eye irritation.

**Acute and chronic health hazards** Product has a defatting effect on skin.

**Route of entry** Ingestion. Skin and/or eye contact

**Medical symptoms** No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

**Medical considerations** Skin disorders and allergies.

### Toxicological information on ingredients.

#### Sodium Mercaptoacetate

#### **Toxicological effects**

Acute Toxicity:  
 Oral: LD50: 200-500 mg/kg  
 Species: Rat  
 Method: OECD 423  
 Dermal Toxicity: LD50L 1.000-2.000 mg/kg  
 Species: Rat  
 Method: OECD 402

#### Acute toxicity - oral

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**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 500.0

**Species** Rat

**ATE oral (mg/kg)** 500.0

### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rat

**ATE dermal (mg/kg)** 2,000.0

### Skin corrosion/irritation

**Animal data** Skin irritation:  
Result: Irritating  
Species: Rabbit  
Method: OECD 404  
Remarks: result not relevant to classification

### Serious eye damage/irritation

**Serious eye damage/irritation** Eye irritation:  
Result: Mild eye irritation  
Species: rabbit  
Method: OECD 405

### Skin sensitisation

**Skin sensitisation** May cause sensitisation by skin contact. Sensitisation:  
Result: Causes sensitisation  
Species: mouse  
Method: OECD 429

### Reproductive toxicity

**Reproductive toxicity - fertility** Reproductive toxicity:  
Species: rat  
Method: OECD 421  
Note: NOAEL = 20 mg/kg/day

Species: rat  
Method: OECD Test Guideline 416  
Note: NOAEL = 20 mg/kg/day

## SECTION 12: Ecological Information

**Ecotoxicity** Not classified as dangerous to the environment.

### 12.1. Toxicity

#### Ecological information on ingredients.

#### Sodium Mercaptoacetate

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### Toxicity

Toxicity to fish:

LC50 (48h): 880 mg/l

Species: *Leuciscus idus*

Method: DIN 38412 / 15

LC50: (96 h): >100 mg/l

Species: *Oncorhynchus mykiss*

Method: OECD 203

Toxicity to daphnia:

EC50 (48 h): 38 mg/l

Species: *Daphnia magna*

Method: 84/449/EEC

Toxicity to algae:

EC50 (72 h): 13 mg/l

Species: *Pseudokirchneriella subcapitata*

Method: OECD 201

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### Ecological information on ingredients.

#### Sodium Mercaptoacetate

#### **Persistence and degradability**

The product is easily biodegradable. Biodegradability:

Result: Biodegradable (100% / 14 d)

Method: OECD 301C

Result: Biodegradable (70% / 14 d)

Method: OECD 301D

Note: The 10 day time window criterion is not fulfilled

Result: Readily biodegradable (67% / 28 d)

Method: OECD 301D

Result: According to the results of tests of biodegradability this product is readily biodegradable.

### 12.3. Bioaccumulative potential

### Ecological information on ingredients.

#### Sodium Mercaptoacetate

#### **Bioaccumulative potential**

Partition coefficient: n-octanol/water:

log Pow: -2,99 at 20 degrees C

Method: OECD Test Guideline 107

Bioaccumulation:

Remarks: No evidence of bioaccumulation (log pOW)

### 12.4. Mobility in soil

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### Ecological information on ingredients.

#### Sodium Mercaptoacetate

**Mobility** No supplementary information available.

### 12.5. Results of PBT and vPvB assessment

#### Ecological information on ingredients.

#### Sodium Mercaptoacetate

**Results of PBT and vPvB assessment** No additional information available.

### 12.6. Other adverse effects

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The packaging must be empty (drop-free when inverted).

**Disposal methods**

Waste from residues / unused products:  
 Can be incinerated, when in compliance with local regulations.  
 Avoid release to the environment.  
 This material and its container must be disposed of as hazardous waste.

Disposal of contaminated packaging:  
 This material and its container must be disposed of as hazardous waste.

Suitable cleaning agents:  
 Water

Waste Code:  
 16 05 08: discarded organic chemicals consisting of or containing dangerous substances.

Additional advice:  
 The allocation of waste key numbers must be conducted according to specific industrial sectors and processes.  
 Above-mentioned waste code number is valid for the unused product.  
 Obtain approval of the relevant authorities before discharging into a sewage treatment plant.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). No transport warning sign required.

### 14.1. UN number

No information required.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing group

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No information required.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>National regulations</b>	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.
<b>EU legislation</b>	Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.
<b>Health and environmental listings</b>	Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>General information</b>	PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw materials used in this product and are not necessarily applicable to the finished item. Please see Section 2 for the current classification of this product.
<b>Revision date</b>	27/04/2015
<b>Revision</b>	1
<b>Risk phrases in full</b>	R36/38 Irritating to eyes and skin.
<b>Hazard statements in full</b>	H290 May be corrosive to metals. H302 Harmful if swallowed. H312 Harmful in contact with skin. H317 May cause an allergic skin reaction.



## SQUID INK FERROUS XTRACT

The information provided in this document is based on our present state of knowledge of the product and is given in good faith and to the best of our experience. However, it should not be construed as a technical specification or as guaranteeing specific properties, accuracy, reliability or completeness. In no event we will be responsible for damages or effects of any nature whatsoever, either express or implied, resulting from the use of this information. It is the own responsibility of the consignee and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application by carrying out a full risk assessment of their specific processes and systems of work. All information contained within this document is for the product in its undiluted state and relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated.