



## SAFETY DATA SHEET OBSIDIAN

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

#### 1.1. Product identifier

Product name                      OBSIDIAN

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

Identified uses                    Wheel Cleaner.

Uses advised against            No specific uses advised against are identified.

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

Supplier                            Iain Semple Chemicals Ltd  
7 McKenzie St,  
Paisley,  
Renfrewshire,  
PA3 1LX  
0141 8487557

#### 1.4. Emergency telephone number

Emergency telephone            +44 (0) 141 8487557 (Mon - Fri 9:00am - 5:00pm GMT)

### SECTION 2: Hazards identification

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

##### Classification (SI 2019 No. 720)

Physical hazards                Not Classified

Health hazards                 Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental hazards         Not Classified

Classification (67/548/EEC or 1999/45/EC)   C; R35

#### 2.2. Label elements

##### Hazard pictograms



Signal word                        Danger

Hazard statements                H314 Causes severe skin burns and eye damage.

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<b>Precautionary statements</b>	<p>P260 Do not breathe vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
<b>Supplemental label information</b>	<5% Amphoteric Surfactant, <5% EDTA.
<b>Contains</b>	sodium hydroxide
<b>Supplementary precautionary statements</b>	<p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Detergent Labelling</b>	<5% amphoteric surfactants <5% EDTA

## 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>sodium hydroxide</b>	<b>10-30%</b>
CAS number: 1310-73-2	EC number: 215-185-5

#### Classification

Met. Corr. 1 - H290  
 Skin Corr. 1A - H314  
 Eye Dam. 1 - H318

#### N,N-dimethyltetradecylamine N-oxide

**<1%**

CAS number: 3332-27-2                      EC number: 222-059-3  
 M factor (Acute) = 1

#### Classification

Acute Tox. 4 - H302  
 Skin Irrit. 2 - H315  
 Eye Dam. 1 - H318  
 Aquatic Acute 1 - H400  
 Aquatic Chronic 2 - H411

#### Classification (67/548/EEC or 1999/45/EC)

Xn; R22. Xi; R41, R38. N; R50, R51/53

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>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention. Show this Safety Data Sheet to the medical personnel.

### **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>	Severe irritation of nose and throat. Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.
<b>Skin contact</b>	Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.
<b>Eye contact</b>	May cause blurred vision and serious eye damage. Severe irritation, burning and tearing.

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

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	Not applicable.

## **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.
<b>Unsuitable extinguishing media</b>	Not applicable.

### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	The product is non-combustible. None known.
<b>Hazardous combustion products</b>	None known.

### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours.
<b>Special protective equipment for firefighters</b>	Firefighter's clothing will provide a basic level of protection for chemical incidents.

## **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Avoid contact with eyes and prolonged skin contact.
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### **6.2. Environmental precautions**

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**Environmental precautions** No negative effects on the aquatic environment are known. Not regarded as dangerous for the environment.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Contain spillage with sand, earth or other suitable non-combustible material. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid contact with skin, eyes and clothing.

**Advice on general occupational hygiene** Clean equipment and the work area every day. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Wash contaminated clothing before reuse.

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

**Storage precautions** Keep only in the original container. Keep container tightly closed in a cool place.

### 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

#### Occupational exposure limits

##### sodium hydroxide

WEL: Short Term Exposure Limit (STEL): 2 mg/m<sup>3</sup>

#### sodium hydroxide (CAS: 1310-73-2)

##### DNEL

Industry - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

Consumer - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Contact lenses should not be worn when working with this chemical. Chemical splash goggles.

#### Hand protection

Wear protective gloves. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.

#### Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

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<b>Hygiene measures</b>	Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse.
<b>Respiratory protection</b>	No specific recommendations.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Black.
<b>Odour</b>	Characteristic.
<b>pH</b>	pH (concentrated solution): 13
<b>Relative density</b>	~ 1.130

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	The reactivity data for this product will be typical of those for the following class of materials: Alkalis.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	None known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid exposure to high temperatures or direct sunlight. Avoid freezing.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Strong oxidising agents. Strong reducing agents.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	May emit toxic fumes under fire conditions.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Inhalation</b>	Vapours may irritate throat/respiratory system.
<b>Ingestion</b>	May cause chemical burns in mouth, oesophagus and stomach.
<b>Skin contact</b>	Causes burns. Prolonged and frequent contact may cause redness and irritation.
<b>Eye contact</b>	Causes burns. Severe irritation, burning and tearing.
<b>Route of exposure</b>	Ingestion Skin and/or eye contact

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### Toxicological information on ingredients.

#### sodium hydroxide

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 325.0

Species Rat

#### tetrasodium ethylene diamine tetraacetate

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 3,030.0

Species Rat

ATE oral (mg/kg) 500.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 5,000.0

Species Rat

ATE dermal (mg/kg) 5,000.0

##### Acute toxicity - inhalation

ATE inhalation (vapours  
mg/l) 11.0

#### N,N-dimethyltetradecylamine N-oxide

##### Acute toxicity - oral

ATE oral (mg/kg) 500.0

#### trisodium nitrilotriacetate

##### Acute toxicity - oral

ATE oral (mg/kg) 500.0

#### tetradecyldimethylamine

##### Acute toxicity - oral

ATE oral (mg/kg) 500.0

### SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### Ecological information on ingredients.

#### sodium hydroxide

**Ecotoxicity** The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

### 12.1. Toxicity

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**Toxicity** Not applicable.

### Ecological information on ingredients.

#### sodium hydroxide

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 33-189 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 40-240 mg/l, Daphnia magna

#### tetrasodium ethylene diamine tetraacetate

**Toxicity** Not considered toxic to fish.

#### β-alanine, N-(2-carboxyethyl)-,N-coco alkyl derivs.,disodium salts

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 4.2 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 97.5 mg/l, Daphnia magna

#### N,N-dimethyltetradecylamine N-oxide

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

#### tetradecyldimethylamine

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.01 < L(E)C<sub>50</sub> ≤ 0.1

**M factor (Acute)** 10

##### Chronic aquatic toxicity

**M factor (Chronic)** 1

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(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. The product is biodegradable but it must not be discharged into drains without permission from the authorities

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

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**Other adverse effects**                      None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information**                      Dispose of waste product or used containers in accordance with local regulations

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID)	3266
UN No. (IMDG)	3266
UN No. (ICAO)	3266
UN No. (ADN)	3266

### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)
<b>Proper shipping name (IMDG)</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)
<b>Proper shipping name (ICAO)</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)
<b>Proper shipping name (ADN)</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)

### 14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C5
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

### Transport labels



### 14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

### 14.6. Special precautions for user

**EmS**    F-A, S-B



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<b>ADR transport category</b>	2
<b>Emergency Action Code</b>	2X
<b>Hazard Identification Number (ADR/RID)</b>	80
<b>Tunnel restriction code</b>	(E)

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

#### **SECTION 15: Regulatory information**

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

##### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### **SECTION 16: Other information**

<b>General information</b>	Only trained personnel should use this material.
<b>Issued by</b>	HS&E Manager.
<b>Revision date</b>	22/01/2021
<b>Revision</b>	8
<b>Supersedes date</b>	09/07/2020
<b>SDS number</b>	8326
<b>Risk phrases in full</b>	R22 Harmful if swallowed. R35 Causes severe burns. R36 Irritating to eyes. R41 Risk of serious damage to eyes.
<b>Hazard statements in full</b>	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

**Code**

**Other Information**

This information 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. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.