



## SAFETY DATA SHEET H/H Aluminium Stoving

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name H/H Aluminium Stoving  
Product No. IP9029-R3

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

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

Supplier INDESTRUCTIBLE PAINT LTD  
19-25 Pentos Drive  
Sparkhill  
Birmingham  
England  
B11 3TA  
Tel +44(0)121 702 2485  
Fax +44(0)121 778 4338  
sales@indestructible.co.uk

#### 1.4. Emergency telephone number

+44 (0) 121 244 5671

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)

Physical and Chemical Hazards Flam. Liq. 3 - H226  
Human health Acute Tox. 4 - H332; Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317  
Environment Aquatic Chronic 3 - H412

Classification (1999/45/EEC)

Xn; R20. Xi; R36/38. R43. R10, R52/53.

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

#### 2.2. Label elements

Contains EPOXY RESIN (Number average MW <= 700 )

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

|      |  |
|------|--|
| H226 | Flammable liquid and vapour.                       |
| H315 | Causes skin irritation.                            |
| H317 | May cause an allergic skin reaction.               |
| H319 | Causes serious eye irritation.                     |
| H332 | Harmful if inhaled.                                |
| H412 | Harmful to aquatic life with long lasting effects. |

## H/H Aluminium Stoving

### Precautionary Statements

|              |  |
|--------------|--|
| P280         | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P313         | Get medical advice/attention.  |
| P501         | Dispose of contents/container to ...   |

### Supplementary Precautionary Statements

|              |  |
|--------------|--|
| P210         | Keep away from heat/sparks/open flames/hot surfaces. - No smoking.   |
| P233         | Keep container tightly closed.   |
| P240         | Ground/bond container and receiving equipment.   |
| P241         | Use explosion-proof electrical equipment.  |
| P242         | Use only non-sparking tools.   |
| P243         | Take precautionary measures against static discharge.  |
| P271         | Use only outdoors or in a well-ventilated area.  |
| P272         | Contaminated work clothing should not be allowed out of the workplace.                                     |
| P273         | Avoid release to the environment.  |
| P261         | Avoid breathing vapour/spray.  |
| P264         | Wash contaminated skin thoroughly after handling.  |
| P321         | Specific treatment (see medical advice on this label).   |
| P370+378     | In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.                         |
| P302+352     | IF ON SKIN: Wash with plenty of soap and water.  |
| P303+361+353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+340     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.           |
| P312         | Call a POISON CENTER or doctor/physician if you feel unwell.   |
| P332+313     | If skin irritation occurs: Get medical advice/attention.   |
| P333+313     | If skin irritation or rash occurs: Get medical advice/attention.   |
| P337         | If eye irritation persists:  |
| P362         | Take off contaminated clothing and wash before reuse.  |
| P363         | Wash contaminated clothing before reuse.   |
| P403+235     | Store in a well-ventilated place. Keep cool.   |

### Supplemental label information

|        |  |
|--------|--|
| EUH205 | Contains epoxy constituents. May produce an allergic reaction. |
|--------|--|

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

|                               |                             |
|-------------------------------|-----------------------------|
| BUTANOL-norm                  | 1-5%                        |
| CAS-No.: 71-36-3              | EC No.: 200-751-6           |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |
| Flam. Liq. 3 - H226           | R10                         |
| Acute Tox. 4 - H302           | Xn;R22                      |
| Skin Irrit. 2 - H315          | Xi;R37/38,R41               |
| Eye Dam. 1 - H318             | R67                         |
| STOT SE 3 - H335              |                             |
| STOT SE 3 - H336              |                             |

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|   |  |        |
|---|--|--------|
| BUTYL ACETATE -norm   |  | 20-30% |
| CAS-No.: 123-86-4   | EC No.: 204-658-1  |        |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>EUH066<br>STOT SE 3 - H336  | Classification (67/548/EEC)<br>R10<br>R66<br>R67                               |        |
| CYCLOHEXANONE   |  | 20-30% |
| CAS-No.: 108-94-1   | EC No.:  |        |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H332   | Classification (67/548/EEC)<br>Xn;R20.<br>R10.                                 |        |
| EPOXY RESIN (Number average MW <= 700 )   |  | 5-10%  |
| CAS-No.: 25068-38-6   | EC No.: 500-033-5  |        |
| Classification (EC 1272/2008)<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>Skin Sens. 1 - H317<br>Aquatic Chronic 2 - H411   | Classification (67/548/EEC)<br>R43<br>Xi;R36/38<br>N;R51/53                    |        |
| FORMALDEHYDE ...%   |  | <0.2   |
| CAS-No.: 50-00-0  | EC No.: 200-001-8  |        |
| Classification (EC 1272/2008)<br>Acute Tox. 3 - H301<br>Acute Tox. 3 - H311<br>Acute Tox. 3 - H331<br>Skin Corr. 1B - H314<br>Skin Sens. 1 - H317<br>Carc. 2 - H351<br>STOT SE 3 - H335 | Classification (67/548/EEC)<br>Carc. Cat. 3;R40<br>T;R23/24/25<br>C;R34<br>R43 |        |
| MELAMINE P/W FORMALDEHYDE BUTYLATED   |  | 5-10%  |
| CAS-No.: 68002-25-5   | EC No.:  |        |
| Classification (EC 1272/2008)<br>Aquatic Chronic 4 - H413   | Classification (67/548/EEC)<br>R53.  |        |
| METHYL N.AMYL KETONE  |  | 1-5%   |
| CAS-No.: 110-43-0   | EC No.:  |        |

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|  |  |
|--|--|
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H302<br>Acute Tox. 4 - H332                         | Classification (67/548/EEC)<br>Xn;R20,R22.<br>R10.                     |
| SOLVENT NAPHTHA, LIGHT AROMATIC, <1% BENZENE   | 1-5%   |
| CAS-No.: 64742-95-6  | EC No.: 265-199-0  |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>STOT SE 3 - H335<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411 | Classification (67/548/EEC)<br>Xn;R65.<br>Xi;R37.<br>N;R51/53.<br>R10. |
| XYLENE   | 1-5%   |
| CAS-No.: 1330-20-7   | EC No.: 215-535-7  |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H312<br>Acute Tox. 4 - H332<br>Skin Irrit. 2 - H315 | Classification (67/548/EEC)<br>R10<br>Xn;R20/21<br>Xi;R38              |

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

**Composition Comments**

The data shown are in accordance with the latest EC Directives.

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures****Inhalation**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion**

Immediately rinse mouth and provide fresh air. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention immediately!

**Skin contact**

Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if any discomfort continues.

**Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

**4.2. Most important symptoms and effects, both acute and delayed****4.3. Indication of any immediate medical attention and special treatment needed****SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Extinguishing media**

Fire can be extinguished using: Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

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

When heated and in case of fire, irritating vapours/gases may be formed. In case of fire, toxic gases may be formed (COx, NOx).

**5.3. Advice for firefighters**

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### Special Fire Fighting Procedures

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

#### **6.2. Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

#### **6.4. Reference to other sections**

### SECTION 7: HANDLING AND STORAGE

#### **7.1. Precautions for safe handling**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

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

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents. Store in closed original container at temperatures between 5°C and 25°C.

Storage Class

Flammable liquid storage.

#### **7.3. Specific end use(s)**

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **8.1. Control parameters**

| Name                | STD | TWA - 8 Hrs |           | STEL - 15 Min |           | Notes |
|---------------------|-----|-------------|-----------|---------------|-----------|-------|
|                     |     |             |           |               |           |       |
| BUTANOL-norm        | WEL |             |           | 50 ppm        | 154 mg/m3 | Sk    |
| BUTYL ACETATE -norm | WEL | 150 ppm     | 724 mg/m3 | 200 ppm       | 966 mg/m3 |       |
| CYCLOHEXANONE       | WEL | 10 ppm      | 41 mg/m3  | 20 ppm        | 82 mg/m3  | Sk    |
| XYLENE              | WEL | 50 ppm      | 220 mg/m3 | 100 ppm       | 441 mg/m3 | Sk    |

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

#### **8.2. Exposure controls**

Protective equipment



Process conditions

Provide eyewash station.

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### Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

### Respiratory equipment

Wear mask supplied with: Gas cartridge suitable for organic substances.

### Hand protection

Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

### Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

### Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|  |                          |
|--|--------------------------|
| Appearance                                   | Coloured liquid.         |
| Colour                                       | Silver.                  |
| Odour  | Characteristic.          |
| Initial boiling point and boiling range (°C) | 124 - 128 760 mm Hg      |
| Flash point (°C)                             | 24 - 27 CC (Closed cup). |
| Flammability Limit - Lower(%)                | 0.8                      |

### 9.2. Other information

Volatile Organic Compound (VOC) 652 g/litre

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

No particular stability concerns.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

#### Inhalation

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. Harmful by inhalation.

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### Ingestion

Gastrointestinal symptoms, including upset stomach.

### Skin contact

Harmful in contact with skin. Irritating to skin.

### Eye contact

Irritating and may cause redness and pain.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

#### 13.1. Waste treatment methods

## SECTION 14: TRANSPORT INFORMATION

#### 14.1. UN number

|                      |      |
|----------------------|------|
| UN No. (ADR/RID/ADN) | 1263 |
| UN No. (IMDG)        | 1263 |
| UN No. (ICAO)        | 1263 |

#### 14.2. UN proper shipping name

Proper Shipping Name                      PAINT

#### 14.3. Transport hazard class(es)

|                     |                             |
|---------------------|-----------------------------|
| ADR/RID/ADN Class   | 3                           |
| ADR/RID/ADN Class   | Class 3: Flammable liquids. |
| ADR Label No.       | 3                           |
| IMDG Class          | 3                           |
| ICAO Class/Division | 3                           |
| Transport Labels    |                             |

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**14.4. Packing group**

|                           |     |
|---------------------------|-----|
| ADR/RID/ADN Packing group | III |
| IMDG Packing group        | III |
| ICAO Packing group        | III |

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

**14.6. Special precautions for user**

|                         |          |
|-------------------------|----------|
| EMS                     | F-E, S-E |
| Emergency Action Code   | •3Y      |
| Hazard No. (ADR)        | 30       |
| Tunnel Restriction Code | (D/E)    |

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**15.2. Chemical Safety Assessment****SECTION 16: OTHER INFORMATION**

|               |            |
|---------------|------------|
| Revision Date | 10/12/2013 |
| Revision      | 1          |



**H/H Aluminium Stoving**

## Risk Phrases In Full

|           |   |
|-----------|---|
| R34       | Causes burns.   |
| R10       | Flammable.  |
| R20/21    | Harmful by inhalation and in contact with skin.   |
| R20       | Harmful by inhalation.  |
| R22       | Harmful if swallowed.   |
| R52/53    | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R65       | Harmful: may cause lung damage if swallowed.  |
| R36/38    | Irritating to eyes and skin.  |
| R37/38    | Irritating to respiratory system and skin.  |
| R37       | Irritating to respiratory system.   |
| R38       | Irritating to skin.   |
| R40       | Limited evidence of a carcinogenic effect.  |
| R53       | May cause long-term adverse effects in the aquatic environment.                               |
| R43       | May cause sensitisation by skin contact.  |
| R66       | Repeated exposure may cause skin dryness or cracking.   |
| R41       | Risk of serious damage to eyes.   |
| R23/24/25 | Toxic by inhalation, in contact with skin and if swallowed.                                   |
| R51/53    | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.   |
| R67       | Vapours may cause drowsiness and dizziness.   |

## Hazard Statements In Full

|        |   |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking.   |
| H226   | Flammable liquid and vapour.                            |
| H301   | Toxic if swallowed.                                     |
| H302   | Harmful if swallowed.                                   |
| H304   | May be fatal if swallowed and enters airways.           |
| H311   | Toxic in contact with skin.                             |
| H312   | Harmful in contact with skin.                           |
| H314   | Causes severe skin burns and eye damage.                |
| H315   | Causes skin irritation.                                 |
| H317   | May cause an allergic skin reaction.                    |
| H318   | Causes serious eye damage.                              |
| H319   | Causes serious eye irritation.                          |
| H331   | Toxic if inhaled.                                       |
| H332   | Harmful if inhaled.                                     |
| H335   | May cause respiratory irritation.                       |
| H336   | May cause drowsiness or dizziness.                      |
| H351   | Suspected of causing cancer.                            |
| H411   | Toxic to aquatic life with long lasting effects.        |
| H412   | Harmful to aquatic life with long lasting effects.      |
| H413   | May cause long lasting harmful effects to aquatic life. |

## Disclaimer

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.