

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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## PURE STEEL

Revision 3  
Revision date 2015-06-24

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

|   |  |
|---|--|
| 1.1. Product identifier                               |  |
| Product name  | PURE STEEL   |
| REACH   | ALL INGREDIENTS IN THIS FORMULATION HAVE BEEN REGISTERED (WHERE REQUIRED) FOR APPLICABLE USES. |
| 1.3. Details of the supplier of the safety data sheet |  |
| Company   | August Race Worldwide Ltd  |
| Address   | Unit 7<br>Singers Yard<br>Paignton<br>Devon<br>TQ32AH  |
| Web   | www.august-race.com  |
| Telephone   | +44 (0)1803 224363   |
| Fax   | +44 (0)1803 224363   |
| Email   | info@august-race.com   |
| Email address of the competent person                 | info@august-race.com   |
| 1.4. Emergency telephone number                       |  |
| Emergency telephone number                            | 01803 224363   |
| Company   | AUGUST RACE WORLDWIDE LTD<br>24hrs   |

### SECTION 2: Hazards identification

|   |  |
|---|--|
| 2.1. Classification of the substance or mixture |  |
| 2.1.1. Classification - 1999/45/EC              | F; R11 Xi; R36/38 R66-67<br>Symbols: F: Highly flammable. Xi: Irritant.  |
| Main hazards                                    | Highly flammable. Irritating to eyes and skin. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.                 |
| 2.1.2. Classification - EC 1272/2008            | Flam. Liq. 2: H225; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H336;  |
| 2.2. Label elements                             |  |
| Hazard pictograms                               |   |
| Signal Word                                     | Danger   |
| Hazard Statement                                | Flam. Liq. 2: H225 - Highly flammable liquid and vapour.<br>Skin Irrit. 2: H315 - Causes skin irritation.<br>Eye Irrit. 2: H319 - Causes serious eye irritation. |

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## 2.2. Label elements

|  |  |
|--|--|
| Precautionary Statement:<br>Prevention | <p><b>STOT SE 3: H336 - May cause drowsiness or dizziness.</b></p> <p><b>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p><b>P233 - Keep container tightly closed.</b></p> <p><b>P240 - Ground/bond container and receiving equipment.</b></p> <p><b>P241 - Use explosion-proof electrical/ventilating/lighting// equipment.</b></p> <p><b>P242 - Use only non-sparking tools.</b></p> <p><b>P243 - Take precautionary measures against static discharge.</b></p> <p><b>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.</b></p> <p><b>P264 - Wash thoroughly after handling.</b></p> <p><b>P271 - Use only outdoors or in a well-ventilated area.</b></p> <p><b>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</b></p> |
| Precautionary Statement:<br>Response   | <p><b>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</b></p> <p><b>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.</b></p> <p><b>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</b></p> <p><b>P312 - Call a POISON CENTER/doctor/ /if you feel unwell.</b></p> <p><b>P332+P313 - If skin irritation occurs: Get medical advice/attention.</b></p> <p><b>P337+P313 - If eye irritation persists: Get medical advice/attention.</b></p> <p><b>P370+P378 - In case of fire: Use suitable media to extinguish.</b></p>   |
| Precautionary Statement:<br>Storage    | <p><b>P403+P233 - Store in a well-ventilated place. Keep container tightly closed.</b></p> <p><b>P403+P235 - Store in a well-ventilated place. Keep cool.</b></p> <p><b>P405 - Store locked up.</b></p>  |
| Precautionary Statement:<br>Disposal   | <p><b>P501 - Dispose of contents/container to rEQUIREMENTS OF LOCAL AUTHORITIES</b></p>  |

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### 67/548/EEC / 1999/45/EC

| Chemical Name             | Index No.    | CAS No.   | EC No.    | REACH Registration Number | Conc. (%w/w)                      | Classification | M-factor. |
|---------------------------|--------------|-----------|-----------|---------------------------|-----------------------------------|----------------|-----------|
| Isopropanol (Propan-2-ol) | 603-117-00-0 | 67-63-0   | 200-661-7 |                           | 50 - 60% F; R11 Xi; R36 R67       |                |           |
| 2 BUTOXY ETHANOL          |              | 111-76-2  | 203-905-0 | 01-2119475108-36          | 10 - 20% Xn; R20/21/22 Xi; R36/38 |                |           |
| (2-Butoxyethanol)         |              |           |           |                           |                                   |                |           |
| Acetone                   | 606-001-00-8 | 67-64-1   | 200-662-2 | 01-2119471330-49          | 10 - 20% F; R11 Xi; R36 R66 R67   |                |           |
| WHITE OIL LIGHT BP        |              | 8042-47-5 |           |                           | 1 - 10%                           |                |           |

#### EC 1272/2008

| Chemical Name                      | Index No.    | CAS No.   | EC No.    | REACH Registration Number | Conc. (%w/w)  | Classification | M-factor. |
|------------------------------------|--------------|-----------|-----------|---------------------------|---|----------------|-----------|
| Isopropanol (Propan-2-ol)          | 603-117-00-0 | 67-63-0   | 200-661-7 |                           | 50 - 60% Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;   |                |           |
| 2 BUTOXY ETHANOL (2-Butoxyethanol) |              | 111-76-2  | 203-905-0 | 01-2119475108-36          | 10 - 20% Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H332; |                |           |
| Acetone                            | 606-001-00-8 | 67-64-1   | 200-662-2 | 01-2119471330-49          | 10 - 20% Flam. Liq. 2: H225; Eye Irrit. 1 - 10% 2: H319; STOT SE 3: H336;                                     |                |           |
| WHITE OIL LIGHT BP                 |              | 8042-47-5 |           |                           |   |                |           |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|             |   |
|-------------|---|
| Inhalation  | Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention. |
| Eye contact | Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.   |

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## 4.1. Description of first aid measures

|              |   |
|--------------|---|
|              | Seek medical attention if irritation or symptoms persist.   |
| Skin contact | Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. |
| Ingestion    | Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.<br>DO NOT INDUCE VOMITING.                                   |

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|  |                                    |
|--|------------------------------------|
|  | Carbon dioxide (CO <sub>2</sub> ). |
|--|------------------------------------|

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

|  |   |
|--|---|
|  | Burning produces irritating, toxic and obnoxious fumes. Vapour may travel considerable distance to source of ignition and flash back. |
|--|---|

### 5.3. Advice for firefighters

|  |   |
|--|---|
|  | Self-contained breathing apparatus. Wear protective clothing. |
|--|---|

## SECTION 6: Accidental release measures

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

|  |   |
|--|---|
|  | Ensure adequate ventilation of the working area. Wear suitable protective equipment.<br>Eliminate all sources of ignition. Evacuate personnel to a safe area. |
|--|---|

### 6.2. Environmental precautions

|  |   |
|--|---|
|  | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|---|

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

|  |   |
|--|---|
|  | Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |
|--|---|

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|  |  |
|--|--|
|  | Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking. |
|--|--|

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

|  |  |
|--|--|
|  | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. |
|--|--|

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure Limit Values

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## 8.1.1. Exposure Limit Values

|                                       |  |   |
|---------------------------------------|--|---|
| 2 BUTOXY ETHANOL<br>(2-Butoxyethanol) | WEL 8-hr limit ppm: 25<br>WEL 15 min limit ppm: 50<br><br>WEL 8-hr limit mg/m3 total -<br>inhalable dust: -<br>WEL 8-hr limit mg/m3 total<br>respirable dust:    | WEL 8-hr limit mg/m3: 123<br>WEL 15 min limit mg/m3: 101.2<br><br>WEL 15 min limit mg/m3 total -<br>inhalable dust: -<br>WEL 15 min limit mg/m3 total<br>respirable dust: |
| Acetone                               | WEL 8-hr limit ppm: 500<br>WEL 15 min limit ppm: 1500<br><br>WEL 8-hr limit mg/m3 total -<br>inhalable dust: -<br>WEL 8-hr limit mg/m3 total<br>respirable dust: | WEL 8-hr limit mg/m3: 1210<br>WEL 15 min limit mg/m3: 3620<br><br>WEL 15 min limit mg/m3 total -<br>inhalable dust: -<br>WEL 15 min limit mg/m3 total<br>respirable dust: |
| Isopropanol (Propan-2-ol)             | WEL 8-hr limit ppm: 400<br>WEL 15 min limit ppm: 500<br><br>WEL 8-hr limit mg/m3 total -<br>inhalable dust: -<br>WEL 8-hr limit mg/m3 total<br>respirable dust:  | WEL 8-hr limit mg/m3: 999<br>WEL 15 min limit mg/m3: 1250<br><br>WEL 15 min limit mg/m3 total -<br>inhalable dust: -<br>WEL 15 min limit mg/m3 total<br>respirable dust:  |

DNEL: Derived no-effect level.

No data is available on this product.

## Exposure Pattern - Workers

|                  |   |  |
|------------------|---|--|
| 2 BUTOXY ETHANOL | Acute inhalation - Systemic 663 mg/m <sup>3</sup><br>effects<br>Acute inhalation - Local effects 246 mg/m <sup>3</sup><br>Long-term - dermal - Systemic 75 mg/kg<br>effects | Acute dermal - Systemic effects 89 mg/kg |
|------------------|---|--|

## Exposure Pattern - General population

|                  |   |   |
|------------------|---|---|
| 2 BUTOXY ETHANOL | Acute inhalation - Systemic 426 mg/m <sup>3</sup><br>effects<br>Acute dermal - Systemic effects 44.5 mg/kg<br>Long-term - inhalation - Local 123 mg/kg<br>effects 3.2 mg/kg<br>Long-term - oral - Systemic<br>effects | Acute oral - Systemic effects 13.4 mg/kg<br>Long-term - dermal - Systemic 38 mg/kg<br>effects |
|------------------|---|---|

## 8.2. Exposure controls

|   |   |
|---|---|
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area.    |
| 8.2.2. Individual protection measures   | Wear chemical protective clothing.                  |
| Eye / face protection                   | Approved safety goggles.                            |
| Skin protection -<br>Handprotection     | Chemical resistant gloves (PVC).                    |
| Respiratory protection                  | Wear suitable respiratory equipment when necessary. |

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

|                  |              |
|------------------|--------------|
| Appearance       | Liquid       |
| Colour           | Clear        |
| Odour            | Alcoholic    |
| Flash point      | 12           |
| Relative density | 0.85 NOMINAL |

**SECTION 10: Stability and reactivity**

## 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.3. Possibility of hazardous reactions

|  |                   |
|--|-------------------|
|  | Oxidising agents. |
|--|-------------------|

## 10.4. Conditions to avoid

|  |                               |
|--|-------------------------------|
|  | Heat, sparks and open flames. |
|--|-------------------------------|

**SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

|                                |   |
|--------------------------------|---|
| Acute toxicity                 | May cause dizziness and headache.   |
| Skin corrosion/irritation      | Irritating to eyes and skin. May cause degreasing of the skin.                    |
| Repeated or prolonged exposure | Prolonged or repeated exposure may cause irritation to skin and mucous membranes. |

**SECTION 12: Ecological information**

## 12.2. Persistence and degradability

|  |  |
|--|--|
|  | DETERGENTS IN THIS FORMULATION ARE >90% BIODEGRADABLE. Evaporates readily. |
|--|--|

**SECTION 13: Disposal considerations**

## General information

|  |   |
|--|---|
|  | Dispose of in compliance with all local and national regulations. |
|--|---|

**SECTION 14: Transport information**

## Hazard pictograms

|  |   |
|--|---|
|  |  |
|--|---|

## 14.1. UN number

|  |        |
|--|--------|
|  | UN1219 |
|--|--------|

## 14.2. UN proper shipping name

|  |             |
|--|-------------|
|  | ISOPROPANOL |
|--|-------------|

## 14.3. Transport hazard class(es)

|                 |   |
|-----------------|---|
| ADR/RID         | 3 |
| Subsidiary risk | - |
| IMDG            | 3 |
| Subsidiary risk | - |
| IATA            | 3 |
| Subsidiary risk | - |

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|   |  |
|---|--|
| <b>14.4. Packing group</b>                |  |
| Packing group                             | II   |
| <b>14.5. Environmental hazards</b>        |  |
| Environmental hazards                     | No   |
| Marine pollutant                          | No   |
| <b>ADR/RID</b>                            |  |
| Hazard ID                                 | 33   |
| Tunnel Category                           | (D/E)  |
| <b>IMDG</b>                               |  |
| EmS Code                                  | F-E S-D  |
| <b>IATA</b>                               |  |
| Packing Instruction (Cargo)               | 364  |
| Maximum quantity                          | 60 L   |
| Packing Instruction (Passenger)           | 353  |
| Maximum quantity                          | 5 L  |
| <b>SECTION 15: Regulatory information</b> |  |
| <b>15.2. Chemical safety assessment</b>   |  |
|   | No chemical Safety assessment has been carried out by the supplier.  |
| <b>SECTION 16: Other information</b>      |  |
| <b>Other information</b>                  |  |
| Revision                                  | This document differs from the previous version in the following areas:.<br>1 - REACH.<br>2 - 2.1.2. Classification - EC 1272/2008.<br>2 - Hazard pictograms.<br>2 - Signal Word.<br>2 - Precautionary Statement: Prevention.<br>2 - Precautionary Statement: Response.<br>2 - Precautionary Statement: Storage.<br>2 - Precautionary Statement: Disposal.<br>8 - DNEL: Derived no-effect level.<br>12 - 12.1. Toxicity.<br>15 - 15.2. Chemical safety assessment. |
| Text of risk phrases in Section 3         | R11 - Highly flammable.<br>R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.<br>R36/38 - Irritating to eyes and skin.<br>R36 - Irritating to eyes.<br>R66 - Repeated exposure may cause skin dryness or cracking.<br>R67 - Vapours may cause drowsiness and dizziness.   |
| Text of Hazard Statements in Section 3    | Flam. Liq. 2: H225 - Highly flammable liquid and vapour.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.<br>STOT SE 3: H336 - May cause drowsiness or dizziness.<br>Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled<br>Skin Irrit. 2: H315 - Causes skin irritation.<br>Flam. Liq. 3: H226 - Flammable liquid and vapour.   |
| <b>Further information</b>                |  |
|   | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in   |

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Further information

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|  |   |
|--|---|
|  | combination with any other materials or in any other process. |
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