

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name Clean and Degrease - IPP

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

Identified uses Water Based Degreaser

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 Industrial Protective Paints Ltd  
Moorville Cottage Farm  
Cellarhead  
Stoke on Trent  
ST9 0DG  
  
TEL: 01782 550733  
FAX: 01782 303227  
Email: ipp@f2s.com

Date of Issue: 15 January 2018

**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 Skin Irrit. 2 - H315 Eye Dam. 1 - H318  
Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi;R36/38.

**2.2. Label elements****Pictogram**

Signal word Danger

Hazard statements H315 Causes skin irritation.  
H318 Causes serious eye damage.

Precautionary statements P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/ doctor.  
P332+P313 If skin irritation occurs: Get medical advice/ attention.

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Contains	2-AMINOETHANOL
Detergent labelling	< 5% anionic surfactants, < 5% non-ionic surfactants, < 5% phosphates
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P321 Specific treatment (see medical advice on this label). P362+P364 Take off contaminated clothing and wash it before reuse.

### 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>2-AMINOETHANOL</b>	<b>1-5%</b>
CAS number: 141-43-5	EC number: 205-483-3
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> C;R34 Xn;R20/21/22

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

Inhalation	Get medical attention if any discomfort continues.
Ingestion	Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Coughing, chest tightness, feeling of chest pressure.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause blurred vision and serious eye damage.

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

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

Suitable extinguishing media      The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

Specific hazards      The product is non-combustible. Irritating gases or vapours. Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Carbon. Nitrogen. No unusual fire or explosion hazards noted.

Hazardous combustion products      Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3. Advice for firefighters

Protective actions during firefighting      Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters      Use air-supplied respirator, gloves and protective goggles. Use protective equipment appropriate for surrounding materials.

## SECTION 6: Accidental release measures

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

Personal precautions      Avoid contact with skin and eyes. For personal protection, see Section 8.

### 6.2. Environmental precautions

Environmental precautions      Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

Methods for cleaning up      Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Dike far ahead of larger spills for later disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery.

### 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      Avoid spilling. Avoid contact with skin and eyes. Good personal hygiene procedures should be implemented.

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

Storage precautions      Keep only in the original container. Store in a cool and well-ventilated place.

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.

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### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### 2-AMINOETHANOL

Long-term exposure limit (8-hour TWA): WEL 1 ppm(Sk) 2.5 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 3 ppm(Sk) 7.6 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

**Ingredient comments** WEL = Workplace Exposure Limits

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

##### Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). 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.

##### Other skin and body protection

Provide eyewash station. Work clothes protecting arms, legs and body should be used, together with a PVC protective apron which should be long enough to cover rubber shoes/boots thus eliminating the possibility of splashes or spillages entering the footwear.

##### Hygiene measures

Based on and limited to our experience of this product, the following special advice is believed to provide satisfactory protection for the industrial user or handler. The choice of suitable protective equipment depends on work conditions and what methods are used for handling the substance. This advice is not a substitute for each Company conducting their own Risk/COSHH Assessments, but is provided as general guidance. Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use barrier cream to prevent drying of skin. Eating, smoking and water fountains prohibited in immediate work area.

##### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### SECTION 9: Physical and Chemical Properties

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

Appearance	Liquid.
Colour	Yellow.
Odour	Odourless.
pH	pH (concentrated solution): ~ 13
Relative density	~ 1
Solubility(ies)	Soluble in water.

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### 9.2. Other information

Volatile organic compound      This product contains a maximum VOC content of 0 g/litre.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity      The following materials may react strongly with the product: Strong acids.  
Chlorohydrocarbons. Strong oxidising agents.

### 10.2. Chemical stability

Stability      Stable at normal ambient temperatures and when used as recommended. No particular stability concerns.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions      Not applicable. Will not polymerise.

### 10.4. Conditions to avoid

Conditions to avoid      There are no known conditions that are likely to result in a hazardous situation. Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

Materials to avoid      Strong acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products      Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

ATE oral (mg/kg)      30,981.59509202

#### Acute toxicity - dermal

ATE dermal (mg/kg)      22,494.88752556

#### Acute toxicity - inhalation

ATE inhalation (vapours mg/l)      224.94887526

General information      This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation      May cause respiratory system irritation.

Ingestion      May cause discomfort if swallowed.

Skin contact      Irritating to skin.

Eye contact      Risk of serious damage to eyes. Irritating to eyes.

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.

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**Medical considerations** Skin disorders and allergies.

### Toxicological information on ingredients.

## 2-AMINOETHANOL

### Acute toxicity - oral

Acute toxicity oral (LD <sub>50</sub> mg/kg)	1,515.0
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Species	Rat
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ATE oral (mg/kg)	1,515.0
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### **Acute toxicity - inhalation**

**Acute toxicity inhalation** 1.3  
(LC<sub>50</sub> vapours mg/l)

Species	Rat
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ATE inhalation (vapours mg/l)	11.0
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## SECTION 12: Ecological Information

<b>Ecotoxicity</b>	Not classified as dangerous to the environment.
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### 12.1. Toxicity

<b>Toxicity</b>	No relevant information available.
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### Ecological information on ingredients.

## 2-AMINOETHANOL

**Acute toxicity- fish** , 96 hours: 170 mg/l, *Carassius auratus* (Goldfish)  
 , 96 hours: 349 mg/l, *Cyprinus carpio* (Common carp)

**Acute toxicity - aquatic invertebrates** , 48 hours: 65 mg/l, *Daphnia magna*

**Acute toxicity - aquatic plants** , 72 hours: 22 mg/l, *Scenedesmus subspicatus*  
, 72 hours: 2.5 mg/l, *Selenastrum capricornutum*

<b>Acute toxicity - microorganisms</b>	, 0.5 hours: >1000 mg/l, Activated sludge , 3 hours: >1000 mg/l, Activated sludge
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## 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.

### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	No further relevant information available.
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#### **12.4. Mobility in soil**

<b>Mobility</b>	No further relevant information available.
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### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

**Other adverse effects** No supplementary information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor. Packaging: Recover and reclaim or recycle. If practical.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 1760

**UN No. (IMDG)** 1760

**UN No. (ICAO)** 1760

**UN No. (ADN)** 1760

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** CORROSIVE LIQUID, N.O.S. CONTAINS 2-AMINOETHANOL

**Proper shipping name (IMDG)** CORROSIVE LIQUID, N.O.S. CONTAINS 2-AMINOETHANOL

**Proper shipping name (ICAO)** CORROSIVE LIQUID, N.O.S. CONTAINS 2-AMINOETHANOL

**Proper shipping name (ADN)** CORROSIVE LIQUID, N.O.S. CONTAINS 2-AMINOETHANOL

### 14.3. Transport hazard class(es)

**ADR/RID class** 8

**ADR/RID classification code** C9

**ADR/RID label** 8

**IMDG class** 8

**ICAO class/division** 8

**ADN class** 8

**Transport labels**



### 14.4. Packing group

**ADR/RID packing group** III

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IMDG packing group	III
ADN 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-A, S-B
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number 80 (ADR/RID)	
Tunnel restriction code	(E)

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

Not applicable.

## SECTION 15: Regulatory information

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

National regulations	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.
EU legislation	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).
Guidance	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.
Health and environmental listings	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

General information	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.
Revision date	14/04/2015
Revision	4
Risk phrases in full	R36/38 Irritating to eyes and skin.



## Clean and Degrease - IPP

### Hazard statements in full

H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.

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.