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

### 1.1 Product identifier

- Product Name: Purefect
- Product Part Number: 33101004 (white), 33101005 (grey)

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

- Use of the substance/mixture: Roof coating

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

- Name of Supplier: Pure Asphalt - IKO PLC
- Address of Supplier: Burnden Road Ind. Estate, Bolton, Lancashire, BL3 2RD
  
- Telephone: 01204 523244
- Email: uktechnical@iko.com

### 1.4 Emergency telephone number

- Emergency Telephone: +44 (0)1204 523244 Opening Times: 0900 - 1600 Monday to Friday

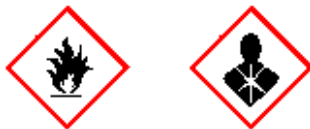
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## SECTION 2 Hazards identification

### 2.1 Classification of the substance or mixture

- CLP: Asp. Tox. 1, Flam. Liq. 2, STOT SE 1

### 2.2 Label elements



- Signal Word: Danger
  
- Hazard phrases
  - H225 - Highly flammable liquid and vapour.
  - H370 - Causes damage to organs if swallowed
  - H320 - Causes eye irritation.
  - H304 - May be fatal if swallowed and enters airways.
  - EUH066 - Repeated exposure may cause skin dryness or cracking.
  - EUH044 - Risk of explosion if heated under confinement.
  
- Precautionary Phrases
  - P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
  - P233 - Keep container tightly closed.
  - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  - P403+P235 - Store in a well-ventilated place. Keep cool.
  - P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
  - P270 - Do not eat, drink or smoke when using this product.
  - P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### 2.3 Other hazards

## SECTION 3 Composition/information on ingredients

### 3.1 Substances

### 3.2 Mixtures

- ethanol; ethyl alcohol  
CAS Number: 64-17-5  
EC Number: 200-578-6  
Concentration: 53.4%  
R/H Phrases: H225;R11  
Symbols: GHS02;F
- methanol  
CAS Number: 67-56-1  
EC Number: 200-659-6  
Concentration: 2.67%  
R/H Phrases: H225;H331;H311;H301;H370 \*\*:R11;R23/24/25;R39/23/24/25  
Symbols: GHS02;GHS06;GHS08;F; T  
Categories: STOT SE 1
- Polyamine amide salt  
CAS Number:  
EC Number:  
Concentration: 0.54%  
R/H Phrases: H411: N;R51/53  
Categories: Skin Irrit. 2, Aquatic Chronic 2
- Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha  
CAS Number: 64742-82-1  
EC Number: 265-185-4  
Concentration: 0.5%  
R/H Phrases: H350;H340;H304;H411 N;R51/53;R45;R46;R65  
Symbols: GHS08;T  
Categories: Muta. 1B, Carc. 1B
- 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve  
CAS Number: 111-76-2  
EC Number: 203-905-0  
Concentration: 0.065%  
R/H Phrases: H332;H312;H302;H319;H315;R20/21/22;R36/38  
Symbols: GHS07;Xn  
Categories: Skin Irrit. 2, Eye Irrit. 2
- Low boiling point naphtha - unspecified  
CAS Number: 8052-41-3  
EC Number: 232-489-3  
Concentration: 0.1%  
R/H Phrases: H350;H340;H304; R45;R46;R65  
Symbols: GHS08;T  
Categories: Muta. 1B, Carc. 1B

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## SECTION 3 Composition/information on ingredients (....)

- butyl glycollate
  - CAS Number: 7397-62-8
  - EC Number: 230-991-7
  - Concentration: 0.021%
  - R/H Phrases: H318, Xi; R41
  - Categories: Eye Dam. 1

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## SECTION 4 First aid measures

### 4.1 Description of first aid measures

- Contact with eyes
  - If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
  - Irrigate eyes thoroughly whilst lifting eyelids
  - In this event:-
  - Obtain immediate medical attention, and show this SDS/label/container
- Contact with skin
  - After contact with skin, take off immediately all contaminated clothing, and wash immediately with water for at least 15 minutes.
  - If irritation persists, obtain medical advice
  - Contaminated clothing should be laundered before reuse
- Ingestion
  - Rinse mouth with water (do not swallow)
  - Do not induce vomiting
  - Obtain immediate medical attention, and show this SDS/label/container
- Inhalation
  - Remove patient to fresh air
  - Keep warm and at rest
  - If breathing stops, or shows signs of failing, give artificial respiration.
  - When in doubt or symptoms persist, seek medical attention

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

- Eyes
  - May cause conjunctivitis or corneal damage.
  - Causes severe irritation
- Skin
  - Prolonged skin contact will result in defatting of the skin, leading to irritation and in some cases, dermatitis.
- Ingestion
  - May be fatal if swallowed material is aspired and enters lungs.
  - Can cause irritation and soreness to mouth and digestive tract.
  - Contains toxic component
- Inhalation
  - Irritation to the nose, throat, and respiratory tract.
  - Coughing, tightness of the chest and pain may result.
  - Contains toxic component.

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

## **SECTION 5 Fire-fighting measures**

### 5.1 Extinguishing media

- Do not use water jets
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

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

- Decomposition products may include carbon oxides
- May give off noxious and toxic fumes in a fire

### 5.3 Advice for firefighters

- Prevent run off water from entering drains if possible
  - Wear chemical protection suit and positive-pressure breathing apparatus
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## **SECTION 6 Accidental release measures**

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

- Shut off all ignition sources
- Ventilate area
- Wear protective clothing as per section 8

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

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

- Absorb spillage in inert material and shovel up
- Remove contaminated material to safe location for subsequent disposal

### 6.4 Reference to other sections

- See Section 8
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## **SECTION 7 Handling and storage**

### 7.1 Precautions for safe handling

- P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- P240 - Ground/bond container and receiving equipment.
- P241 - Use explosion-proof electrical/ventilating/lighting/
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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

- P233 - Keep container tightly closed.
- P403+P235 - Store in a well-ventilated place. Keep cool.
- P405 - Store locked up.

### 7.3 Specific end use(s)

- See Section 1.2
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## **SECTION 8 Exposure controls/personal protection**

### 8.1 Control parameters

- ethanol; ethyl alcohol  
WEL (long term) 1000 ppm (8hr TWA)
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## SECTION 8 Exposure controls/personal protection (....)

- methanol  
WEL (long term) 200 ppm (8hr TWA)  
WEL (short term) 250 ppm (15 min STEL)

### 8.2 Exposure controls



- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Wear approved respirator if exposure likely to exceed MEL/OES

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## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Opaque white free-flowing liquid.
- Odour: Solvent
- Solubility in water: Insoluble residue.
- Specific Gravity: 0.98 gm/cm<sup>3</sup>
- Flash point 13 deg C (CC)
- Boiling Point/Range: 84 deg C
- Flammability: Highly flammable

### 9.2 Other information

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## SECTION 10 Stability and reactivity

### 10.1 Reactivity

- Reacts violently with oxidizing substances
- Reacts violently with organic peroxides

### 10.2 Chemical stability

- Considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

### 10.4 Conditions to avoid

- Keep away from heat and sources of ignition
- Avoid contact with oxidising substances
- Avoid contact with organic peroxides

### 10.5 Incompatible materials

- Incompatible with oxidizing substances
- Incompatible with organic peroxides

### 10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides
- May give off noxious and toxic fumes in a fire

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## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

- Aspiration hazard
- May cause dermatitis

## **SECTION 12 Ecological information**

### 12.1 Toxicity

- Contains ingredients that are dangerous for the environment (see section 3.2)

### 12.2 Persistence and degradability

- The dried residue is biodegradable

### 12.3 Bioaccumulation Potential

- No information available

### 12.4 Mobility in soil

Insoluble residue, left after evaporation, may absorb into soils and sediments

### 12.5 Results of PBT and vPvB assessment

- Not identified as PBT or vPvB under current EU criteria

### 12.6 Other Adverse Effects

- Toxic to sewage works organisms
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## **SECTION 13 Disposal considerations**

### 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
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## **SECTION 14 Transport information**



### 14.1 UN Number

- UN No.: 1866

### 14.2 UN Proper Shipping Name

- Proper Shipping Name: Resin Solution

### 14.3 Transport hazard class(es)

- Hazard Class: 3

### 14.4 Packing group

- Packing Group: II

### 14.5 Environmental hazards

- Presents little or no hazard to the environment

### 14.6 Special precautions for user

- Tunnel Code: D/E

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable
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## **SECTION 15 Regulatory information**

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

- The Classification, Labelling & Packaging Regulations applies in the UK
  - The COSHH Regulations apply in the UK
  - The Hazardous Waste (England and Wales) Regulations 2005 apply in the UK
  - The Health and Safety at Work Act applies in the UK
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## **SECTION 15 Regulatory information (....)**

### 15.2 Chemical Safety Assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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## **SECTION 16 Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H225: Highly 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. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H331: Toxic if inhaled. H332: Harmful if inhaled. H340: May cause genetic defects. H350: May cause cancer. H370: Causes damage to organs. H411: Toxic to aquatic life with long lasting effects. R11: Highly Flammable. R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R23/24/25: Toxic by inhalation, in contact with skin and if swallowed. R36/38: Irritating to eyes and skin. R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R41: Risk of serious damage to eyes. R45: May cause cancer. R46: May cause heritable genetic damage. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65: Harmful: may cause lung damage if swallowed.

### 16.1 Other information

- This SDS has been prepared in accordance with EU regulation 453/2010/EC  
This information is given in good faith, being based on the latest knowledge available to the manufacturer. No known relevant information has been omitted from this Safety Data Sheet and the information provided is designated to enable the user to use the product safely. The user should not assume, on the basis of the information provided in this sheet, that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact the supplier for further advice before the proposed application is undertaken.

### Version History

- Version 1 - January 2017 - New Release under CLP Regulations
- Version 2 - January 2017 - Added product codes for colour variations