

SAFETY DATA SHEET ISANE IP 175

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

1.1. Product identifier

Product name ISANE IP 175
Product No. 1682
REACH Registration number 01-2119472146-39-xxxx

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

Identified uses
Organic solvent
Adhesives
Cleaning product
Polymerisation (bulk and batch)
Polyolefins synthesis
Metal Working Fluids

1.3. Details of the supplier of the safety data sheet

Supplier
Ellisons
Bayton Road
Exhall
Coventry
CV7 9EF UK
www.ellisons.co.uk

1.4. Emergency telephone number

0207 405 5375 (National Chemical Emergency Centre)
0870 190 6777 (National Chemical Emergency Centre)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	EUH066; Asp. Tox. 1 - H304
Environment	Aquatic Chronic 4 - H413

Classification (1999/45/EEC)

Xn; R65. R53, R66.

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

2.2. Label elements

Contains Hydrocarbons, C11-C12, isoalkanes, <2% aromatics.

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



Signal Word

Danger

Hazard Statements

H304
H413

May be fatal if swallowed and enters airways.
May cause long lasting harmful effects to aquatic life.

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Precautionary Statements

P331

Do NOT induce vomiting.

Supplemental label information

EUH066

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Vapours may form explosive mixtures with air. Should not be released into the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics.		60-100%
CAS-No.:	EC No.: 918-167-1	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
EUH066	Xn;R65.	
Asp. Tox. 1 - H304	R66,R53.	
Aquatic Chronic 4 - H413		

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

REACH Registration number

01-2119472146-39-xxxx

Composition Comments

Complex and variable combination if isoparaffinic hydrocarbons, having a carbon number predominantly of C11 to C12, and in the boiling range of approximately 150C to 220C.

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

Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention if any discomfort continues. If breathing stops, provide artificial respiration. For breathing difficulties oxygen may be necessary.

Inhalation

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and provide fresh air. DO NOT induce vomiting. Get medical attention immediately. Do not induce vomiting because of the danger of aspiration.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed**Inhalation.**

Irritation of nose, throat and airway. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

Ingestion

Harmful if swallowed. The product may enter the lungs due to its low viscosity, and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours). Nausea, vomiting. Diarrhoea.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Irritating and may cause redness and pain.

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

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media**

ISANE IP 175**Extinguishing media**

Extinguish with foam, carbon dioxide, dry powder or water fog. Water spray, fog or mist.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture**Hazardous combustion products**

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

Specific hazards

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters**Special Fire Fighting Procedures**

Keep up-wind to avoid fumes. If possible, fight fire from protected position. Move container from fire area if it can be done without risk. Use supplied air respirator if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

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. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. In case of inadequate ventilation, use respiratory protection. Take precautionary measures against static discharges. Do not smoke, use open fire or other sources of ignition. Do not breathe vapour. Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not discharge onto the ground or into water courses. Do not allow ANY environmental contamination. Never use water by itself on spillage; this will spread the spill and cause further contamination.

6.3. Methods and material for containment and cleaning up

If leakage cannot be stopped, evacuate area. Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush area with water.

6.4. Reference to other sections**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Storage tanks and other containers must be grounded. Protect electric equipment against sparking in case of risk of explosion. Wear full protective clothing for prolonged exposure and/or high concentrations. Do not eat, drink or smoke when using the product. Container must be kept tightly closed. Operate only on cold and degassed tanks in ventilated premises (to avoid risk of explosion).

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Keep containers tightly closed. Ground container and transfer equipment to eliminate static electric sparks. Keep in original container. Suitable containers: mild steel, stainless steel.

7.3. Specific end use(s)**Usage Description**

Use only containers, joints, pipes and seals that are resistant to hydrocarbons.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Ingredient Comments**

Advisory OEL. CEFIC-HSPA: 1200 mg/m³

According to information provided, the product does not have any harmful effects if it is used and handled as specified.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics.

Ingredient Comments

Advisory OEL. CEFIC-HSPA: 1200 mg/m³

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8.2. Exposure controls**Protective equipment****Process conditions**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Explosion-proof general and local exhaust ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Check that mask fits tight and change filter regularly.

Hand protection

Protective gloves must be used if there is a risk of direct contact or splash. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Nitrile. Viton rubber (fluor rubber). Polyvinyl chloride (PVC). Manufactured/tested in accordance with EN 374.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact. Manufactured/Tested in accordance with EN 166.

Other Protection

Use barrier creams to prevent skin contact. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. Eating, smoking and water fountains prohibited in immediate work area. DO NOT SMOKE IN WORK AREA!

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	Clear liquid.
Colour	Colourless.
Odour	Hydrocarbon.
Solubility	Immiscible with water Miscible with: Organic solvents.
Initial boiling point and boiling range	180-196 760 mm Hg
Melting point (°C)	N/D
Relative density	0.763 15
Vapour pressure	<1 hPa 20
Evaporation rate	120 (EtEt=1)
Viscosity	1.2 m ² /s 40
Flash point	>62
Auto Ignition Temperature (°C)	>230
Flammability Limit - Lower(%)	0.6
Flammability Limit - Upper(%)	6.5

Explosive properties

May form explosive mixtures with air.

9.2. Other information**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity****10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerisation

Will not polymerise.

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10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials**Materials To Avoid**

Strong oxidising substances. Strong acids.

10.6. Hazardous decomposition products

None at ambient temperatures. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Toxicological information**

ASPIRATION HAZARD - do not breath vapour or spray. May cause lung damage if material gets into the lungs after accidental swallowing or vomiting of ingested material.

Acute toxicity:**Acute Toxicity (Oral LD50)**

> 5000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 5000 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 5000 mg/l (vapours) Rat

Respiratory or skin sensitisation:

There is no evidence that the material can lead to respiratory hypersensitivity.

Not Sensitising.

Germ cell mutagenicity:

Negative.

Negative.

Carcinogenicity:

No evidence of carcinogenicity

Reproductive Toxicity:

No teratogenic, maternal or developmental effects

Aspiration hazard:**Viscosity**

The fluid can enter the lungs and cause damage (chemical pneumonitis, possibly fatal).

General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in hazardous vapour concentrations.

Inhalation

Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication. May cause irritation to the respiratory system.

Ingestion

Harmful if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs. May irritate and cause stomach pain, vomiting and diarrhoea.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

May cause temporary eye irritation.

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Health Warnings

Prolonged or repeated contact leads to drying of skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Route of entry

Ingestion. Inhalation.

Target Organs

Brain Respiratory system, lungs Mucous membranes

Medical Symptoms

Skin irritation. Irritation of eyes and mucous membranes. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

Medical Considerations

Skin disorders and allergies. Convulsive disorders, CNS problems. Risk of chemical pneumonia after aspiration.

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity****Acute Fish Toxicity**

May cause long term adverse effects in the aquatic environment.

Acute Toxicity - Fish

LC50 96 hours > 1000 mg/l Onchorhynchus mykiss (Rainbow trout)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours > 1000 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours > 1000

Chronic Toxicity - Fish Early life Stage

28 days 0.21 mg/l Onchorhynchus mykiss (Rainbow trout)

Chronic Toxicity - Aquatic Invertebrates

21 days 0.02 mg/l Daphnia magna

12.2. Persistence and degradability**Degradability**

The product is not biodegradable.

12.3. Bioaccumulative potential**Bioaccumulative potential**

Substance is a UVCB. Standard tests for this endpoint are not appropriate.

12.4. Mobility in soil**Mobility:**

Substance is a UVCB. Standard tests for this endpoint are not applicable.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects**SECTION 13: DISPOSAL CONSIDERATIONS****General information**

Do not puncture or incinerate even when empty. Waste, residue, empty containers, discarded work clothes and used disposable towels must be collected in designated receptacles, labelled with content. Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Contact specialist disposal companies. Do not allow runoff to sewer, waterway or ground. These goods and packaging must be disposed of in accordance with the Hazardous Waste Regulations.

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Waste Class

Hazardous Waste EWC NUMBER: Allocation of a waste code number in accordance with the European Waste Catalogue, should be carried out in agreement with an EA authorised waste disposal company.

SECTION 14: TRANSPORT INFORMATION

General Not regulated.

14.1. UN number**14.2. UN proper shipping name****14.3. Transport hazard class(es)****Transport Labels**

No transport warning sign required.

14.4. Packing group**14.5. Environmental hazards****14.6. Special precautions for user****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****Uk Regulatory References**

Chemicals (Hazard Information & Packaging) Regulations.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 CLP. Regulation (EC) No 1907/2006 REACH.

National Regulations

The substance is listed in the following International Inventories: EINECS/ELINCS TSCA (US) DSL (CA) ENCS (2)-676 (JP) IECSC (CN) KECL PICCS AICS (AU) NZIOc

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**General information**

Only trained personnel should use this material. Since empty containers retain product residue, follow label warnings, even after container is emptied. For further Health and Safety information contact: Health and Safety Officer. Residual vapours may explode on ignition, do not cut, drill, grind or weld on or near this container.

Information Sources

Manufacturer's Material Safety Data Sheet Approved Supply List

Revision Comments

Additional substance information received. Amendment to Density/SG No change to Technical Data Sheet required.

Issued By Compliance Department

Revision Date 01/04/2012

Revision 5

Supersedes date 01/08/2011

SDS No. 1682

Safety Data Sheet Status Approved.

Date 01-Aug-11

Signature DDalton

Risk Phrases In Full

R65 Harmful: may cause lung damage if swallowed.

R53 May cause long-term adverse effects in the aquatic environment.

R66 Repeated exposure may cause skin dryness or cracking.

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Hazard Statements In Full

EUH066	Repeated exposure may cause skin dryness or cracking.
H304	May be fatal if swallowed and enters airways.
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 themselves as to the suitability of such information for his own particular use.