



## Safety Data Sheet

230NF

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

#### 1.1 Product identifier

Product Name	Howstik 230NF
Trade Name	Howstik 230NF
Product code	230NF
CAS No.	Mixture
EC No.	Mixture
REACH Registration No.	None Assigned

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

Identified Use(s)	Industrial use only. Adhesive Applications.
Uses Advised Against	Not known.

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

Manufacturer	
Company Identification	Anglo Adhesives & Services Ltd.
Address of Manufacturer	Anglo House The Airfield Dalby Road, Melton Mowbray Leicestershire
Postal code	LE13 0BL
Telephone:	+44 (0) 1664 480866
Fax	+44 (0) 1664 480963
E-mail	sales@anglo-adhesives.co.uk
Office hours	
Supplier	
Company Identification	Not known.
Address of Supplier	Not known.
Postal code	Not known.
Telephone:	Not known.
Fax	Not known.
E-mail	Not known.
Office hours	

#### 1.4 Emergency telephone number

Emergency Phone No.	07966 071479
Contact	Out of Hours

#### National response center

Address	National Poisons Information Service (Birmingham Centre) City Hospital Dudley Road, Birmingham, United Kingdom
Emergency Phone No.	+00 448 706 006 266 or NHS - 111

### 2. SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture



## Safety Data Sheet

230NF

2.1.1 Regulation (EC) No. 1272/2008 (CLP)

Aquatic Chronic 2 : Toxic to aquatic life with long lasting effects.  
Flam. Liq. 2 : Highly flammable liquid and vapour.  
STOT SE 3 : May cause drowsiness or dizziness.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name

Howstik 230NF

Hazard Pictogram(s)



GHS02

GHS07

GHS09

Signal Word(s)

Danger

Hazard Statement(s)

H225: Highly flammable liquid and vapour.  
H336: May cause drowsiness or dizziness.  
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P202: Do not handle until all safety precautions have been read and understood.  
P233: Keep container tightly closed.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

Not known.

2.4 Additional Information

For full text of H/P Statements see section 16.

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
n-hexane	110-54-3	203-777-6	0-10	Flam. Liq. 2 H225 Asp. Tox. 1 H304 STOT RE 2 H373 Skin Irrit. 2 H315 STOT SE 3 H336 Repro 2 H361 Aquatic Chronic 2 H411	GHS02 GHS07 GHS08 GHS09



## Safety Data Sheet

230NF

Naphtha (petroleum), hydrotreated light 64742-49-0 265-151-9 50-70 Flam. Liq H225 GHS02  
Low boiling point hydrogen treated Asp.Tox. 1 GHS07  
naphtha [A complex combination of H304 GHS08  
hydrocarbons obtained by treating a STOT SE 3 H336 GHS09  
petroleum fraction with hydrogen in the Aquatic Chronic  
presence of a catalyst. It consists of 2 H411  
hydrocarbons having carbon numbers  
predominantly in the range of C4 through  
C11 and boiling in the range of  
approximately minus 20°C to 190°C (-4°F  
to 374°F).]

### 4. SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

Inhalation If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact Wash skin with water.

Eye Contact Flush eyes with water for at least 15 minutes.

Ingestion Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

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

### 5. SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable Extinguishing media In case of fire, use: Foam, CO2 or dry powder. Unsuitable extinguishing media Water jet spray

5.2 Special hazards arising from the substance or mixture Combustion or thermal decomposition will evolve toxic and irritant vapours.

5.3 Advice for fire-fighters Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental precautions Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections See Also Section 8, 13.

### 7. SECTION 7: HANDLING AND STORAGE



## Safety Data Sheet

230NF

### 7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

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

Store in a well-ventilated place. Keep cool. Store locked up.

#### Storage temperature

Ambient.

#### Storage life

Stable under normal conditions.

#### Incompatible materials

None known.

### 7.3 Specific end use(s)

Industrial use only. Adhesive Applications.

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
n-Hexane	110-54-3	20	72			
n-Hexane	110-54-3	20	72			IOELV
Remark	Footnote					
IOELV	IOELV: Indicative Occupational Exposure Limit Value					

#### 8.2.1. Appropriate engineering controls

Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection.

#### 8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.

#### Thermal hazards

None known.

#### 8.2.3. Environmental Exposure Controls

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Appearance

Liquid.

#### Colour

Amber.

#### Odour

Characteristic.



Safety Data Sheet  
230NF

Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Boiling point/boiling range (°C):	60°C
Flash Point	- 26°C.
Flash Point Range	Not known.
Density (g/ml)	Not known.
Evaporation rate	Not known.
Flammability	Not known.
Vapour density	Not known.
Vapour pressure	Not known.
Relative density	Not known.
Solubility (Water)	Immiscible with water.
Solubility (Other)	Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	>230
Viscosity	Not known.
Upper/lower flammability or explosive limits	Not known.
Other information	Not known.

## 10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	None anticipated.
10.2 Chemical Stability	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	Avoid friction, sparks, or other means of ignition.
10.5 Incompatible materials	Not known.
10.6 Hazardous decomposition product(s)	None known.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified. Causes violent vomiting when swallowed. Abdominal pain.
Acute toxicity - Skin Contact	Not classified. Repeated and/or prolonged contact may cause skin sensitisation.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Not classified. Unlikely route of exposure.
Serious eye damage/irritation	Not classified. May cause irritation.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.



Safety Data Sheet  
230NF

Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.
11.2 Other information	Not known.

## 12. SECTION 12: ECOLOGICAL INFORMATION

12.1.1 Toxicity - Aquatic invertebrates:	Not classified
12.1.2 Toxicity - Fish	Low toxicity to fish.
12.1.3 Toxicity - Algae	Low toxicity to algae.
12.1.4 Toxicity - Sedimentation	The substance has low mobility in sediment.
12.1.5 Toxicity - Terrestrial Compartment	Low toxicity under normal conditions of handling and use.
12.2. Persistence and Degradation	Not known.
12.3. Bioaccumulative potential	Not known.
12.4. Mobility in soil	Not known.
12.5. Results of PBT and vPvB assessment	Not known.
12.6 Other adverse effects	Not known.

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Dispose of this material and its container to hazardous or special waste collection point.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.

## 14. SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

UN No.	1133
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### 14.2 UN proper shipping name

UN proper shipping name	ADHESIVES containing flammable liquid
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### 14.3 Transport hazard class(es)

ADR/RID Class	3
IMDG Class	3
IMDG EMS	Not available
ICAO/IATA	
Excepted Quantities	E1



## Safety Data Sheet 230NF

Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y344
Passenger and Cargo Aircraft Limited Quantities Max net Qty	10L
Passenger and Cargo Aircraft Max net Qty	355
Passenger and Cargo Aircraft Max net Qty	60L
Cargo Aircraft Packing Instructions	366
Cargo Aircraft Max net Qty	220L
Special Provisions	A3
Emergency Response Guidebook (ERG) Code	3L
ADR Classification Code	F1
ADR HIN	30
ADR Transport Category	3
Tunnel Restriction Code	D/E
Emergency Action Code	•3Y
APP Advice on Additional Personal Protection (APP)	Not applicable

### 14.4 Packing group

Packing group	III
Labels	3



Special Provisions	640E
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Mixed Packing Instructions for Packages	MP19

### 14.5 Environmental hazards

Environmental hazards	Not known.
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### 14.6 Special precautions for user

Special precautions for user	Not known.
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### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Packing Instructions for Portable Tanks	
Special Provisions for Portable Tanks	TP1



Safety Data Sheet  
230NF

Tank Code for Tanks	LGBF
Special Provisions for Tanks	Not applicable
Vehicle for Tank Carriage	FL
Special Provisions for Carriage - Packages	V12
Special Provisions for Carriage - Bulk	Not applicable
Special Provisions for Carriage - Loading, Unloading and Handling	Not applicable
Special Provisions for Carriage - Operation	S2

## 15. SECTION 15: REGULATORY INFORMATION

### 15.1 European Regulations

#### Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed
REACH: ANNEX XIV list of substances subject to authorisation	All chemicals are not listed
REACH: ANNEX XVII restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles	All chemicals are not listed
Community Rolling Action Plan (CoRAP)	n-hexane (110-54-3)
Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants	Not listed
Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer	Not listed
Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals	Not listed

### 15.2 National regulations

Other	Not known.
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## 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

### Hazard Pictogram(s)





GHS02



GHS07



GHS09

Signal Word(s)	Danger
Hazard Statement(s)	H225: Highly flammable liquid and vapour. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects.
Precautionary Statement(s)	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting/equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P308+P313: IF exposed or concerned: Get medical advice/attention. P331: Do NOT induce vomiting. P370+P378: In case of fire: Use water to extinguish. P391: Collect spillage. P403+P235: Store in a well-ventilated place. Keep cool. P405: Store locked up. P501: Dispose of contents in accordance with local, state or national legislation.
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