

**Danger****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**Trade name : C9 Calibration Gas in Methane  
SDS no : AL731**1.2. Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses : Industrial and professional uses. Perform risk assessment prior to use.  
Test gas/Calibration gas.  
Laboratory use.  
Contact supplier for more information on uses.

Uses advised against : Consumer use.

**1.3. Details of the supplier of the safety data sheet**Company identification : Air Liquide Australia Limited  
Level 12 / 600 St. Kilda Road  
3004 Melbourne VIC Australia  
+61 3 9697 9888  
ALAEquiries@AirLiquide.com**1.4. Emergency telephone number**

Emergency telephone number : 1800 812 588

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to WHS Regulation**Physical hazards Flammable gases, Category 1A H220  
Gases under pressure : Compressed gas H280**2.2. Label elements****Classification according to WHS Regulation**

Hazard pictograms :



Signal word : Danger

Hazard statements : H220 - Extremely flammable gas..  
H280 - Contains gas under pressure; may explode if heated..

Precautionary statements

- Prevention : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking..
- Response : P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely..

P381 - In case of leakage, eliminate all ignition sources..

- Storage : P403 - Store in a well-ventilated place..

### 2.3. Other hazards

: Asphyxiant in high concentrations.  
None.  
These high concentrations are within the flammability range.  
Not classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

3.1. **Substances** : Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to WHS Regulation
Methane	(CAS-No.) 74-82-8 (EC-No.) 200-812-7 (EC Index-No.) 601-001-00-4 (REACH-no) 01-2119474442-39	Balance	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
Carbon dioxide	(CAS-No.) 124-38-9 (EC-No.) 204-696-9 (EC Index-No.) --- (REACH-no) *1	0.5 – 5	Press. Gas (Liq.), H280
Ethane	(CAS-No.) 74-84-0 (EC-No.) 200-814-8 (EC Index-No.) 601-002-00-X (REACH-no) 01-2119486765-21	2.5 – 5	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Nitrogen	(CAS-No.) 7727-37-9 (EC-No.) 231-783-9 (EC Index-No.) --- (REACH-no) *1	0.5 – 5	Press. Gas (Comp.), H280
Propane	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index-No.) 601-003-00-5 (REACH-no) 01-2119486944-21	0.5 – 2	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Isobutane	(CAS-No.) 75-28-5 (EC-No.) 200-857-2 (EC Index-No.) 601-004-00-0 (REACH-no) 01-2119485395-27	0.05 – 0.5	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Butane n-	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index-No.) 601-004-00-0 (REACH-no) 01-2119474691-32	0.05 – 0.5	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Isopentane	(CAS-No.) 78-78-4 (EC-No.) 201-142-8 (EC Index-No.) 601-006-00-1	0.05 – 0.3	Flam. Liq. 1, H224 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411
pentane	(CAS-No.) 109-66-0 (EC-No.) 203-692-4 (EC Index-No.) 601-006-00-1	0.05 – 0.3	Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411
n-hexane	(CAS-No.) 110-54-3 (EC-No.) 203-777-6 (EC Index-No.) 601-037-00-0	0.02 – 0.1	Flam. Liq. 2, H225 Repr. 2, H361f Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
octane; n-octane	(CAS-No.) 111-65-9 (EC-No.) 203-892-1 (EC Index-No.) 601-009-00-8	0.01 – 0.03	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
heptane; n-heptane	(CAS-No.) 142-82-5 (EC-No.) 205-563-8 (EC Index-No.) 601-008-00-2	0.01 – 0.03	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Nonane	(CAS-No.) 111-84-2 (EC-No.) 203-913-4 (EC Index-No.) ---	0.01	Flam. Liq. 3, H226

Full text of H-statements: see section 16

*Contains no other components or impurities which will influence the classification of the product.*

\*1: Listed in Annex IV / V REACH, exempted from registration.

\*2: Registration deadline not expired.

\*3: Registration not required: Substance manufactured or imported < 1t/y.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- Inhalation : Remove person to fresh air and keep comfortable for breathing.  
Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Perform cardiopulmonary resuscitation if breathing stopped.
- Skin contact : Wash skin with plenty of water
- Eye contact : Rinse eyes with water as a precaution
- Ingestion : Call a poison center or a doctor if you feel unwell  
Ingestion is not considered a potential route of exposure.

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

- : In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation.  
Refer to section 11.

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

- : Treat symptomatically

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray  
Dry powder  
Foam  
Shutting off the source of the gas is the preferred method of control.
- Unsuitable extinguishing media : Carbon dioxide.  
Do not use water jet to extinguish.

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

- Specific hazards : Exposure to fire may cause containers to rupture/explode.
- Hazardous combustion products : Incomplete combustion may form carbon monoxide.  
On exposure to high temperature, may decompose, releasing toxic gases.

### 5.3. Advice for fire-fighters

- Specific methods : Use fire control measures appropriate for the surrounding fire. Exposure to fire and heat radiation may cause gas receptacles to rupture. Cool endangered receptacles with water spray jet from a protected position. Prevent water used in emergency cases from entering sewers and drainage systems.  
If possible, stop flow of product.  
Use water spray or fog to knock down fire fumes if possible.  
Do not extinguish a leaking gas flame unless absolutely necessary. Spontaneous/explosive re-ignition may occur. Extinguish any other fire.  
Move containers away from the fire area if this can be done without risk.
- Special protective equipment for fire fighters : In confined space use self-contained breathing apparatus.  
Standard protective clothing and equipment (Self Contained Breathing Apparatus) for fire fighters.  
Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask.  
Standard EN 469 - Protective clothing for firefighters. Standard - EN 659: Protective gloves for firefighters.
- Hazchem Code : 2SE

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

: Act in accordance with local emergency plan.  
Stay upwind.

**6.2. Environmental precautions**

: Avoid release to the environment  
Try to stop release.

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

: Ventilate area.

**6.4. Reference to other sections**

: For further information refer to section 13  
See also sections 8 and 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Safe use of the product

: The product must be handled in accordance with good industrial hygiene and safety procedures.  
Only experienced and properly instructed persons should handle gases under pressure.  
Consider pressure relief device(s) in gas installations.  
Ensure the complete gas system was (or is regularly) checked for leaks before use.  
Do not smoke while handling product.  
Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt.  
Avoid suck back of water, acid and alkalis.  
Assess the risk of potentially explosive atmospheres and the need for explosion-proof equipment.  
Purge air from system before introducing gas.  
Take precautionary measures against static discharge.  
Keep away from ignition sources (including static discharges).  
Consider the use of only non-sparking tools.  
Do not breathe gas.  
Avoid release of product into atmosphere.  
Ensure equipment is adequately earthed.

Safe handling of the gas receptacle

: Refer to supplier's container handling instructions.  
Do not allow backfeed into the container.  
Protect containers from physical damage; do not drag, roll, slide or drop.  
When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders.  
Leave valve protection caps in place until the container has been secured against either a wall or bench or placed in a container stand and is ready for use.  
If user experiences any difficulty operating valve discontinue use and contact supplier.  
Never attempt to repair or modify container valves or safety relief devices.  
Damaged valves should be reported immediately to the supplier.  
Keep container valve outlets clean and free from contaminants particularly oil and water.  
Replace valve outlet caps or plugs and container caps where supplied as soon as container is disconnected from equipment.  
Close container valve after each use and when empty, even if still connected to equipment.  
Never attempt to transfer gases from one cylinder/container to another.  
Never use direct flame or electrical heating devices to raise the pressure of a container.  
Do not remove or deface labels provided by the supplier for the identification of the content of the container.  
Suck back of water into the container must be prevented.  
Open valve slowly to avoid pressure shock.  
Containers should be stored in the vertical position and properly secured to prevent them from falling over.

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

- : Observe all regulations and local requirements regarding storage of containers.
- Containers should not be stored in conditions likely to encourage corrosion.
- Container valve guards or caps should be in place.
- Containers should be stored in the vertical position and properly secured to prevent them from falling over.
- Stored containers should be periodically checked for general condition and leakage.
- Keep container below 50°C in a well ventilated place.
- Store containers in location free from fire risk and away from sources of heat and ignition.
- Keep away from combustible materials.
- Segregate from oxidant gases and other oxidants in store.
- All electrical equipment in the storage areas should be compatible with the risk of a potentially explosive atmosphere.

### 7.3. Specific end use(s)

: None.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Nonane (111-84-2)</b>		
OEL : Occupational Exposure Limits		
Australia	OES TWA [1]	1050 mg/m <sup>3</sup>
	OES TWA [2]	200 ppm
<b>octane; n-octane (111-65-9)</b>		
OEL : Occupational Exposure Limits		
Australia	OES TWA [1]	1400 mg/m <sup>3</sup>
	OES TWA [2]	300 ppm
	OES STEL	1750 mg/m <sup>3</sup>
	OES STEL [ppm]	375 ppm
<b>heptane; n-heptane (142-82-5)</b>		
OEL : Occupational Exposure Limits		
Australia	OES TWA [1]	1640 mg/m <sup>3</sup>
	OES TWA [2]	400 ppm
	OES STEL	2050 mg/m <sup>3</sup>
	OES STEL [ppm]	500 ppm
<b>n-hexane (110-54-3)</b>		
OEL : Occupational Exposure Limits		
Australia	OES TWA [1]	72 mg/m <sup>3</sup>
	OES TWA [2]	20 ppm
<b>pentane (109-66-0)</b>		
OEL : Occupational Exposure Limits		
Australia	OES TWA [1]	1770 mg/m <sup>3</sup>
	OES TWA [2]	600 ppm
	OES STEL	2210 mg/m <sup>3</sup>
	OES STEL [ppm]	750 ppm

DNEL (Derived-No Effect Level) : No data available.

PNEC (Predicted No-Effect Concentration) : No data available.

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

- : Ensure good ventilation of the work station
- Provide adequate general and local exhaust ventilation.
- Product to be handled in a closed system.
- Systems under pressure should be regularly checked for leakages.
- Ensure exposure is below occupational exposure limits (where available).
- Keep concentrations well below lower explosion limits.
- Gas detectors should be used when flammable gases/vapours may be released.
- Consider the use of a work permit system e.g. for maintenance activities.

#### 8.2.2. Individual protection measures, e.g. personal protective equipment

- : A risk assessment should be conducted and documented in each work area to assess the risks related to the use of the product and to select the PPE that matches the relevant risk. The following recommendations should be considered:
- PPE compliant to the recommended EN/ISO standards should be selected.

- Eye/face protection : Safety glasses  
Wear safety glasses with side shields.  
Standard EN 166 - Personal eye-protection - specifications
- Skin protection
  - Hand protection : Wear working gloves when handling gas containers.  
Standard EN 388 - Protective gloves against mechanical risk.  
Protective gloves
  - Other : Consider the use of flame resistant anti-static safety clothing.  
Standard EN ISO 14116 - Limited flame spread materials.  
Standard EN 1149-5 - Protective clothing: Electrostatic properties.  
Wear safety shoes while handling containers.  
Standard EN ISO 20345 - Personal protective equipment - Safety footwear.
- Respiratory protection : Gas filters may be used if all surrounding conditions e.g. type and concentration of the contaminant(s) and duration of use are known.  
In case of insufficient ventilation, wear suitable respiratory equipment  
Use gas filters with full face mask, where exposure limits may be exceeded for a short-term period, e.g. connecting or disconnecting containers.  
Gas filters do not protect against oxygen deficiency.  
Standard EN 14387 - Gas filter(s), combined filter(s) and standard EN136, full face masks .
- Thermal hazards : None necessary.

### 8.2.3. Environmental exposure controls

- : Avoid release to the environment.  
Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.

## SECTION 9: Physical and chemical properties

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

#### Appearance

- Physical state at 20°C / 101.3kPa : Gas.
- Colour : Mixture contains one or more component(s) which have the following colour(s):  
Colourless.

Odour : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.  
Mixture contains one or more component(s) which have the following odour:  
Stenchant often added. Sweetish.

Odour threshold : Odour threshold is subjective and inadequate to warn of overexposure.

pH value : Not applicable for gas mixtures.

Molar mass : Not applicable for gas mixtures.

Melting point : Not applicable for gas mixtures.

Boiling point : Not applicable for gas mixtures.

Flash point : Not applicable for gas mixtures.

Evaporation rate (ether=1) : Not applicable for gas mixtures.

Flammability range : Flammability range not available.

Vapour pressure [20°C] : Not applicable.

Vapour pressure [50°C] : Not applicable.

Relative density, gas (air=1) : Lighter or similar to air.

Solubility in water : No data available

Partition coefficient n-octanol/water [log Kow] : Not applicable for gas mixtures.

Auto-ignition temperature : Not known.

Decomposition point [°C] : Not applicable.

Viscosity [20°C] : Not applicable.

Explosive Properties : Not applicable.

Oxidising Properties : Not applicable.

**9.2. Other information**

Other data : None.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

: Extremely flammable gas.  
No reactivity hazard other than the effects described in sub-sections below.  
Data for mixture are not available

**10.2. Chemical stability**

: Stable under normal conditions

**10.3. Possibility of hazardous reactions**

: No dangerous reactions known under normal conditions of use  
Can form explosive mixture with air.  
May react violently with oxidants.

**10.4. Conditions to avoid**

: Avoid contact with hot surfaces  
Heat  
No flames, no sparks. Eliminate all sources of ignition  
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Avoid moisture in installation systems.

**10.5. Incompatible materials**

: Air, Oxidisers.  
Halogens.  
Acids  
Air, Oxidisers.  
For additional information on compatibility refer to ISO 11114.

**10.6. Hazardous decomposition products**

: Under normal conditions of storage and use, hazardous decomposition products should not be produced

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity** : Classification criteria are not met.  
Toxicological effects not expected from this product if occupational exposure limit values are not exceeded.

<b>Nonane (111-84-2)</b>	
LC50 Inhalation - Rat [ppm]	6400 ppm/4h
<b>Isobutane (75-28-5)</b>	
LC50 Inhalation - Rat [ppm]	3125 ppm/4h
<b>Propane (74-98-6)</b>	
LC50 Inhalation - Rat [ppm]	20000 ppm/4h

**Skin corrosion/irritation** : No known effects from this product.  
**Serious eye damage/irritation** : No known effects from this product.  
**Respiratory or skin sensitisation** : No known effects from this product.  
**Germ cell mutagenicity** : No known effects from this product.  
**Carcinogenicity** : No known effects from this product.  
**Toxic for reproduction : Fertility** : No known effects from this product.  
**Toxic for reproduction : unborn child** : No known effects from this product.  
**STOT-single exposure** : No known effects from this product.  
**STOT-repeated exposure** : No known effects from this product.  
**Aspiration hazard** : Not applicable for gases and gas mixtures.

**SECTION 12: Ecological information****12.1. Toxicity**

Assessment : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

**12.2. Persistence and degradability**

Assessment : No data available.

**12.3. Bioaccumulative potential**

Assessment : No data available.

**12.4. Mobility in soil**

Assessment : No data available.

Assessment : No ecological damage caused by this product.

**12.5. Results of PBT and vPvB assessment**

Assessment : Not classified as PBT or vPvB.

**12.6. Other adverse effects**

: No known effects from this product.

Effect on the ozone layer : None.

Effect on global warming : Contains greenhouse gas(es).

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Dispose of contents/container in accordance with licensed collector's sorting instructions  
Contact supplier if guidance is required.  
Do not discharge into areas where there is a risk of forming an explosive mixture with air.  
Waste gas should be flared through a suitable burner with flash back arrestor.  
Do not discharge into any place where its accumulation could be dangerous.  
Ensure that the emission levels from local regulations or operating permits are not exceeded.  
Refer to the EIGA code of practice Doc.30 "Disposal of Gases", downloadable at <http://www.eiga.org> for more guidance on suitable disposal methods.  
Return unused product in original container to supplier.

List of hazardous waste codes (from Commission Decision 2000/532/EC as amended) : 16 05 04 \*: Gases in pressure containers (including halons) containing hazardous substances.

**13.2. Additional information**

: None.  
External treatment and disposal of waste should comply with applicable local and/or national regulations

**SECTION 14: Transport information****14.1. UN number**

UN-No. : 1954

**14.2. UN proper shipping name**

Transport by road/rail (ADR/RID) : COMPRESSED GAS, FLAMMABLE, N.O.S. (Methane, Isobutane)

Transport by air (ICAO-TI / IATA-DGR) : Compressed gas, flammable, n.o.s. (Methane, Isobutane)

Transport by sea (IMDG) : COMPRESSED GAS, FLAMMABLE, N.O.S. (Methane, Isobutane)



**14.3. Transport hazard class(es)****Labelling**

2.1 : Flammable gases

**Transport by road/rail (ADG)**

Class : 2  
Hazchem Code : 2SE  
Hazard identification number : 23  
Tunnel Restriction : B/D - Tank carriage : Passage forbidden through tunnels of category B, C, D and E. Other carriage : Passage forbidden through tunnels of category D and E

**Transport by air (ICAO-TI / IATA-DGR)**

Class / Div. (Sub. risk(s)) : 2.1

**Transport by sea (IMDG)**

Class / Div. (Sub. risk(s)) : 2.1  
Emergency Schedule (EmS) - Fire : F-D  
Emergency Schedule (EmS) - Spillage : S-U

**14.4. Packing group**

Transport by road/rail (ADR/RID) : Not applicable  
Transport by air (ICAO-TI / IATA-DGR) : Not applicable  
Transport by sea (IMDG) : Not applicable

**14.5. Environmental hazards**

Transport by road/rail (ADR/RID) : None.  
Transport by air (ICAO-TI / IATA-DGR) : None.  
Transport by sea (IMDG) : None.

**14.6. Special precautions for user****Packing Instruction(s)**

Transport by road/rail (ADR/RID) : P200  
Transport by air (ICAO-TI / IATA-DGR)  
    Passenger and Cargo Aircraft : Forbidden  
    Cargo Aircraft only : 200  
Transport by sea (IMDG) : P200

Special transport precautions : Avoid transport on vehicles where the load space is not separated from the driver's compartment.  
Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.  
Before transporting product containers:  
- Ensure there is adequate ventilation.  
- Ensure that containers are firmly secured.  
- Ensure valve is closed and not leaking.  
- Ensure valve outlet cap nut or plug (where provided) is correctly fitted.  
- Ensure valve protection device (where provided) is correctly fitted.

HAZCHEM CODE : 2SE

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 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**

Ensure all national/local regulations are observed.

**15.2. Chemical safety assessment**

: No chemical safety assessment has been carried out

**For the following substances of this mixture a chemical safety assessment has been carried out**

Ethane

**SECTION 16: Other information**

Indication of changes : Revised safety data sheet in accordance with commission regulation (EU) No 453/2010.

Abbreviations and acronyms : ATE - Acute Toxicity Estimate. CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. EINECS - European Inventory of Existing Commercial Chemical Substances. CAS# - Chemical Abstract Service number. PPE - Personal Protection Equipment. LC50 - Lethal Concentration to 50 % of a test population. RMM - Risk Management Measures. PBT - Persistent, Bioaccumulative and Toxic. vPvB - Very Persistent and Very Bioaccumulative. STOT- SE : Specific Target Organ Toxicity - Single Exposure. CSA - Chemical Safety Assessment. EN - European Standard. UN - United Nations. ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road. IATA - International Air Transport Association. IMDG code - International Maritime Dangerous Goods. RID - Regulations concerning the International Carriage of Dangerous Goods by Rail. WGK - Water Hazard Class. STOT - RE : Specific Target Organ Toxicity - Repeated Exposure. UFI : Unique Formula Identifier.

Training advice : Ensure operators understand the flammability hazard. Receptacle under pressure.

Full text of H-statements

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.

H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

## DISCLAIMER OF LIABILITY

: Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.  
Details given in this document are believed to be correct at the time of going to press.  
Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.