

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** **GAS/SPEC CS-2020 SOLVENT**

**Recommended Use of the Chemical and Restrictions on Use** Solvent.  
Industrial applications.

**Supplier:** Ixom Operations Pty Ltd  
**ABN:** 51 600 546 512  
**Street Address:** Level 8, 1 Nicholson Street  
East Melbourne Victoria 3002  
Australia

**Telephone Number:** +61 3 9906 3000  
**Emergency Telephone:** **1 800 033 111 (ALL HOURS)**

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

## 2. HAZARDS IDENTIFICATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

### Classification of the chemical:

Acute Oral Toxicity - Category 4  
Skin Corrosion - Sub-category 1B  
Eye Damage - Category 1

**SIGNAL WORD:** DANGER



### Hazard Statement(s):

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.

### Precautionary Statement(s):

#### Prevention:

P260 Do not breathe mist, vapours, spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.

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## Response:

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P321 Specific treatment (see First Aid Measures on Safety Data Sheet).  
P363 Wash contaminated clothing before re-use.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Storage:

P405 Store locked up.

## Disposal:

P501 Dispose of contents and container in accordance with local, regional, national, international regulations.

**Poisons Schedule (SUSMP):** None allocated.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

**Product Description:** Contains <40% Trade Secret Primary Amino Alcohol.

Components	CAS Number	Proportion	Hazard Codes
2,2''-Methyldiethanolamine	105-59-9	<60%	H319

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

### Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discoloration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

### Skin Contact:

If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.

### Eye Contact:

Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport promptly to hospital or medical centre.

### Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Seek immediate medical assistance.

### Indication of immediate medical attention and special treatment needed:

Treat symptomatically. Can cause corneal burns. Following severe exposure, the patient should be kept under medical supervision for at least 48 hours.

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Substance No: 00000053811

Issued: 30/09/2019  
Version: 1

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

**Unsuitable Extinguishing Media:**

Water jet.

**Hazchem or Emergency Action Code:** 2X

**Specific hazards arising from the chemical:**

Combustible liquid. Corrosive substance.

**Special protective equipment and precautions for fire-fighters:**

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Keep containers cool with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures/Environmental precautions:**

Clear area of all unprotected personnel. Shut off all possible sources of ignition. If contamination of sewers or waterways has occurred advise local emergency services.

**Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:**

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

## 7. HANDLING AND STORAGE

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

**Precautions for safe handling:**

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Do not reuse container. When using do not eat, drink or smoke. Wash hands before breaks and at the end of the work day. Launder contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities:**

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:** No value assigned for this specific material by Safe Work Australia.

**Appropriate engineering controls:**

Use in well ventilated areas. Keep containers closed when not in use.

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## Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, CHEMICAL GOGGLES, FACE SHIELD, GLOVES (Long), APRON, RUBBER BOOTS.



Wear overalls, chemical goggles, face shield, elbow-length impervious gloves, splash apron or equivalent chemical impervious outer garment, and rubber boots. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

If determined by a risk assessment an inhalation risk exists, wear an organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless to Light Yellow
<b>Odour:</b>	Amine
<b>Odour Threshold:</b>	Not available
<b>Solubility:</b>	Miscible in water.
<b>Specific Gravity:</b>	1.001 @25°C
<b>Relative Vapour Density (air=1):</b>	>1
<b>Vapour Pressure (20 °C):</b>	<0.13 kPa
<b>Flash Point (°C):</b>	98.3
<b>Flammability Limits (%):</b>	Not available
<b>Autoignition Temperature (°C):</b>	Not available
<b>Boiling Point/Range (°C):</b>	98.3
<b>Decomposition Point (°C):</b>	Not available
<b>pH:</b>	13.2
<b>Viscosity:</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Corrosive to aluminium, tin, and zinc. Corrosive to copper and brass.
<b>Chemical stability:</b>	Stable.
<b>Possibility of hazardous reactions:</b>	Contact with nitrosating agents may form carcinogenic nitrosamines. Heating above 60°C in the presence of aluminium can result in corrosion and generation of flammable hydrogen gas.
<b>Conditions to avoid:</b>	Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to moisture. Avoid exposure to air.
<b>Incompatible materials:</b>	Incompatible with acids, strong oxidising agents, halogenated hydrocarbons, nitrating agents, magnesium, galvanised iron.

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**Hazardous decomposition products:** Oxides of carbon. Oxides of nitrogen. Hydrogen cyanide.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
<b>Eye contact:</b>	A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
<b>Skin contact:</b>	Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.
<b>Inhalation:</b>	Breathing in vapour may produce respiratory irritation.
<b>Acute toxicity:</b> Oral LD50 (rat): ca. 1400-1900 mg/kg (estimate)	
<b>Respiratory or skin sensitisation:</b>	Not a skin sensitiser (guinea pig). (major constituent)
<b>Chronic effects:</b>	
<b>Mutagenicity:</b>	No information available.
<b>Carcinogenicity:</b>	No component contained in this material is listed as carcinogenic according to the International Agency for Research on Cancer (IARC).
<b>Reproductive toxicity:</b>	No information available.
<b>Specific Target Organ Toxicity (STOT) - single exposure:</b>	No information available.
<b>Specific Target Organ Toxicity (STOT) - repeated exposure:</b>	No information available.
<b>Aspiration hazard:</b>	No information available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Avoid contaminating waterways.
<b>Persistence/degradability:</b>	No information available for the product.
<b>Bioaccumulative potential:</b>	Bioconcentration Factor (BCF): <100
<b>Mobility in soil:</b>	No information available.
Log Octanol/Water Partition Coefficient:	<3
96hr LC50 (fish):	>100 mg/L

## 13. DISPOSAL CONSIDERATIONS

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## Disposal methods:

Refer to Waste Management Authority. Dispose of contents and container in accordance with local, regional, national, international regulations.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.



**UN No:** 3267  
**Transport Hazard Class:** 8 Corrosive  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CONTAINS TRADE SECRET PRIMARY AMINO ALCOHOL)  
**Hazchem or Emergency Action Code:** 2X

### Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

**UN No:** 3267  
**Transport Hazard Class:** 8 Corrosive  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CONTAINS TRADE SECRET PRIMARY AMINO ALCOHOL)  
**IMDG EMS Fire:** F-A  
**IMDG EMS Spill:** S-B

### Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

**UN No:** 3267  
**Transport Hazard Class:** 8 Corrosive  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CONTAINS TRADE SECRET PRIMARY AMINO ALCOHOL)

## 15. REGULATORY INFORMATION

### Classification:

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

### Classification of the chemical:

Acute Oral Toxicity - Category 4  
Skin Corrosion - Sub-category 1B  
Eye Damage - Category 1

Product Name: GAS/SPEC CS-2020 SOLVENT  
Substance No: 000000053811

Issued: 30/09/2019  
Version: 1

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**Hazard Statement(s):**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

**Poisons Schedule (SUSMP):** None allocated.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS) or are exempt.

## 16. OTHER INFORMATION

Supplier Safety Data Sheet; 02/ 2018.

'Registry of Toxic Effects of Chemical Substances'. Ed. D. Sweet, US Dept. of Health & Human Services: Cincinnati, 2019.

GAS/SPEC is a trademark of INEOS.

This safety data sheet has been prepared by Ixom Operations Pty Ltd (Toxicology & SDS Services).

**Reason(s) for Issue:**

First Issue Primary SDS

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Ixom Operations Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Ixom representative or Ixom Operations Pty Ltd at the contact details on page 1.

Ixom Operations Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.