Safety Data Sheet
according to WHS Regulations

Printing date 20.01.2022 Revision: 20.01.2022

1 Identification

Product Name: GAS CONTROL

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Gas leak detector

Details of Manufacturer or Importer:
Tesuco Pty Limited
Unit 12
110-120 Silverwater Road,
Silverwater NSW 2128

Phone Number: +61 2 9737 9937

Emergency telephone number: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).

Acute Toxicity (Inhalation) 4	H332	Harmful if inhaled.
Serious Eye Damage/Irritation 2A	H319	Causes serious eye irritation.

Signal Word Warning

Hazard Statements
H332 Harmful if inhaled.
H319 Causes serious eye irritation.

Precautionary Statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear eye protection / face protection.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
137-16-6	Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt	9%
	Acute Toxicity (Inhalation) 2, H330; Serious Eye Damage/Irritation 1, H318; Skin Corrosion/Irritation 2, H315	

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577-11-7	Docusate sodium Acute Toxicity (Oral) 4, H302; Serious Eye Damage/Irritation 2A, H319	4.5%
10024-97-2	dinitrogen oxide Oxidising Gases 1, H270; Gases Under Pressure (Liquefied gas), H280; Acute Toxicity (Inhalation) 1, H330	1%

4 First Aid Measures

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:
In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:
In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:
If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder, foam or water spray.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include oxides of carbon and nitrogen, and other toxic pyrolysis products. Dinitrogen monoxide may strongly react with flammables and reducing agents generating a danger of fire and explosion. The gas is a strong oxidizer over 300 °C and it may create explosive mixtures with ammonia, carbon monoxide, hydrogen sulphide, oil, grease, and fuels.

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7 Handling and Storage

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.
Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close

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proximity to points of potential exposure.

Conditions for Safe Storage:
Product is packed in pressurized cartridge. Store in a cool, dry and well ventilated area.Do not expose to temperatures above 50 °C. Avoid overheating, electrostatic discharges, and ignition sources. Dinitrogen monoxide may strongly react with flammables and reducing agents generating a danger of fire and explosion. The gas is a strong oxidizer over 300 °C and it may create explosive mixtures with ammonia, carbon monoxide, hydrogen sulphide, oil, grease, and fuels.

8 Exposure controls and personal protection

Exposure Standards:	
10024-97-2 dinitrogen oxide	
NES	TWA: 45 mg/m³, 25 ppm

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:
Use approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.
When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:	
Form:	Aerosol
Colour:	Opalescent white
Odour:	Lightly scented
Odour Threshold:	Not determined.
pH-Value:	7-8
Melting point/freezing point:	<0 °C
Initial Boiling Point/Boiling Range:	>100 °C
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	
Decomposition Temperature:	Not determined.
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable

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Vapour Pressure: No information available
Density:
Relative Density: No information available
Vapour Density: No information available
Evaporation Rate: Not determined.
Solubility in Water: Almost completely soluble
Partition Coefficient (n-octanol/water): No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions:
Dinitrogen monoxide may strongly react with flammables and reducing agents generating a danger of fire and explosion.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Avoid overheating, electrostatic discharges, and ignition sources.

Incompatible Materials:
Dinitrogen monoxide may strongly react with flammables and reducing agents generating a danger of fire and explosion. The gas is a strong oxidizer over 300 °C and it may create explosive mixtures with ammonia, carbon monoxide, hydrogen sulphide, oil, grease, and fuels.

Hazardous Decomposition Products: Oxides of carbon and nitrogen, and other toxic pyrolysis products.

11 Toxicological Information

Toxicity:

LD_{50}/LC_{50} Values Relevant for Classification:		
577-11-7 Docusate sodium		
Oral	LD_{50}	1900 mg/kg (rat)
10024-97-2 dinitrogen oxide		
Inhalation	LC_{50}/4 h	1.06 mg/l (rat)

Acute Health Effects
Inhalation:
Harmful if inhaled. The dinitrogen monoxide is a slightly narcotic, anaesthetic, and asphyxiating substance at high concentrations. Overexposure effects: excitement, euphoria, vertigo, drowsiness, uncoordinated movements, narcosis, asphyxiation. Its anaesthetic potential shows itself when the concentration exceeds 70% in volume.
Skin: No irritating effect.
Eye: Causes serious eye irritation.
Ingestion: Ingestion is not considered a potential route of exposure.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

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Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

12 Ecological Information

Ecotoxicity: No information available

Aquatic toxicity: No information available

Persistence and Degradability: Easily biodegradable

Bioaccumulative Potential: Non significant bioaccumulative potential.

Mobility in Soil: No information available
Other adverse effects: No information available

13 Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 Transport information

UN Number	1950
Proper Shipping Name	AEROSOLS
Dangerous Goods Class	2
Hazchem Code:	2YE
Special Provisions:	63, 190, 277, 327
Limited Quantities:	See SP 277
Packagings & IBCs - Packing Instruction:	P003, LP02
Packagings & IBCs - Special Packing Provisions:	PP17, PP87, L2

15 Regulatory information

Australian Inventory of Chemical Substances:

137-16-6	Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt
577-11-7	Docusate sodium
10024-97-2	dinitrogen oxide
95-14-7	1H-Benzotriazole
7732-18-5	Water

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 Other information

Date of Preparation or Last Revision: 06.03.2017

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Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC_{50}: Lethal concentration, 50 percent
LD_{50}: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Oxidising Gases 1: Oxidising gases, Hazard Category 1
Gases Under Pressure (Liquefied gas): Gases under pressure – Liquefied gas
Acute Toxicity (Oral) 4: Acute toxicity – Category 4
Acute Toxicity (Inhalation) 1: Acute toxicity – Category 1
Acute Toxicity (Inhalation) 2: Acute toxicity – Category 2
Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2
Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1
Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Disclaimer
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