

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** **889-LINE METALSHIELD MULTIPURPOSE SPRAYPAK**

**Recommended use of the chemical and restrictions on use:** Aerosol spray paint. Packed under pressure.

**Supplier:** Dulux New Zealand, a division of DuluxGroup (New Zealand) Pty Ltd  
ABN 55 133 404 118  
Co. 2355191

**Street Address:** 150 Hutt Park Road  
Lower Hutt,  
New Zealand

**Telephone Number:** +64 4 576 6400  
**Facsimile:** +64 4 576 6496  
**Emergency Telephone:** **0 800 734 607 (ALL HOURS)**

## 2. HAZARDS IDENTIFICATION

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

**SIGNAL WORD:** DANGER

### Subclasses:

Subclass 2.1.2 Category A - Flammable Aerosols.

Subclass 6.1 Category D - Substances which are acutely toxic.

Subclass 6.3 Category A - Substances that are irritating to the skin.

Subclass 6.4 Category A - Substances that are irritating to the eye.

Subclass 6.8 Category B - Substances that are suspected human reproductive or developmental toxicants.

Subclass 6.9 Category B - Substances that are harmful to human target organs or systems.

Subclass 9.1 Category D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

Subclass 9.3 Category C - Substances that are harmful to terrestrial vertebrates.

HSNO Group Standard:

Aerosols (Flammable) Group Standard 2006



### Hazard Statement(s):

H223 Flammable aerosol.

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H402 Harmful to aquatic life.

H433 Harmful to terrestrial vertebrates.

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SPRAYPAK

Substance No: 000000023743

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## Precautionary Statement(s):

### Prevention:

P102 Keep out of reach of children.  
P103 Read label before use.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P260 Do not breathe mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P281 Use personal protective equipment as required.

### Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P321 Specific treatment (see First Aid Measures on the Safety Data Sheet).  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing before re-use.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P314 Get medical advice/attention if you feel unwell.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 Rinse mouth.  
P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P363 Wash contaminated clothing before re-use.

### Storage:

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.  
No storage statements.  
P405 Store locked up.

### Disposal:

P501 In case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.  
No disposal statements.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Acetone	67-64-1	30-60%	H225 H319 H336
Petroleum gases, liquified, sweetened (contains less than 0.1% 1,3-butadiene)	68476-86-8	10-<30%	H220 H350 H340
Propylene glycol monomethyl ether acetate	108-65-6	10-<30%	H226
Toluene	108-88-3	1-<10%	H225 H361d H304 H373 H315 H336
Xylene	1330-20-7	1-<10%	H226 H332 H312 H315

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ethyl alcohol	64-17-5	1-<10%	H225
Methyl ethyl ketone	78-93-3	1-<10%	H225 H319 H336
Cyclohexanone	108-94-1	1-<10%	H226 H332
n-Butyl alcohol	71-36-3	1-<10%	H226, H302, H315, H318, H335, H336
Methyl isobutyl ketone	108-10-1	1-<10%	H225 H332 H319 H335
Ingredients determined not to be hazardous	-	to 100%	-

## 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 discolouration 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. Seek immediate medical advice.

### Skin Contact:

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. A component of this material can be absorbed through the skin with resultant toxic effects. Seek immediate medical assistance.

### Eye Contact:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

### Ingestion:

If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

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

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### Suitable Extinguishing Media:

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

### Hazchem or Emergency Action Code: 2YE

### Specific hazards arising from the substance or mixture:

Flammable gas. On burning will emit toxic fumes, including those of oxides of carbon.

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

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

## 6. ACCIDENTAL RELEASE MEASURES



## 6. ACCIDENTAL RELEASE MEASURES

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

Shut off all possible sources of ignition. In the event of an aerosol can developing a leak, allow to fully discharge in the open air before disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Keep out of reach of children. Avoid skin and eye contact. Ensure spray nozzle is always directed away from the user. May form flammable vapour mixtures with air. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Flameproof equipment is necessary in all areas where this chemical is being used. Nearby equipment must be earthed. Vapour may travel a considerable distance to source of ignition and flash back.

**Conditions for safe storage, including any incompatibilities:** Store in cool place and out of direct sunlight. Store away from oxidising agents. Store away from sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Workplace Exposure Standards:** No value assigned for this specific material by the New Zealand Department of Labour (Health & Safety). However, Workplace Exposure Standard(s) for constituent(s):

Acetone: WES-TWA 500 ppm, 1,185 mg/m<sup>3</sup>; WES-STEL 1,000 ppm, 2,375 mg/m<sup>3</sup>, bio

n-Butyl alcohol: Ceiling 50 ppm, 150 mg/m<sup>3</sup>, skin

Cyclohexanone: WES-TWA 25 ppm, 100 mg/m<sup>3</sup>, skin

Ethyl alcohol: WES-TWA 1,000 ppm, 1,880 mg/m<sup>3</sup>

LPG (Liquefied petroleum gas): WES-TWA 1,000 ppm, 1,800 mg/m<sup>3</sup>

Methyl ethyl ketone: WES-TWA 150 ppm, 445 mg/m<sup>3</sup>; WES-STEL 300 ppm, 890 mg/m<sup>3</sup>, bio

Methyl isobutyl ketone: WES-TWA 50 ppm, 205 mg/m<sup>3</sup>; WES-STEL 75 ppm, 307 mg/m<sup>3</sup>

Toluene: WES-TWA 50 ppm, 188 mg/m<sup>3</sup>, skin

Xylene (o-, m-, p-isomers): WES-TWA 50 ppm, 217 mg/m<sup>3</sup>

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As published by the New Zealand Department of Labour (Health & Safety).

**WES - TWA (Workplace Exposure Standard - Time Weighted Average)** - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.

**WES - STEL (Workplace Exposure Standard - Short Term Exposure Limits)** - The 15 minute average exposure standard. Applies to any 15 minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both short-term and eight-hour, time-weighted average exposures should be determined.

**WES - Ceiling (Workplace Exposure Standard - Ceiling)**. A concentration that should not be exceeded during any part of the working day.

**'Skin' Notice** - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

'bio' - Biological Exposure Index.

## Appropriate engineering controls:

Use in well ventilated areas. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

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

The selection of PPE is dependant 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.

Personal Protection: H - OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, RESPIRATOR.



**MANUFACTURE, PACKAGING AND TRANSPORT:** Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator or air supplied mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

**FOR CONSUMER USE:** Use with adequate ventilation. If there is a risk of eye contact and repeated or prolonged skin contact wear gloves and safety glasses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:**

Aerosol

**Solubility:**

Soluble in organic solvents. Insoluble in water.

**Specific Gravity:**

0.8-0.9

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	1050 kPa (gas)
Flash Point (°C):	-140 (gas)
Flammability Limits (%):	1.3-13.1 (gas)
Autoignition Temperature (°C):	Not available
% Volatile by Weight:	<60%
Solubility in water (g/L):	Insoluble
Boiling Point/Range (°C):	-42 (gas)
Decomposition Point (°C):	Not available
pH:	Not applicable
Viscosity:	Not available
Evaporation Rate:	Not available

## 10. STABILITY AND REACTIVITY

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions of use.
Possibility of hazardous reactions:	Hazardous polymerisation will not occur.
Conditions to avoid:	Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to direct sunlight.
Incompatible materials:	Incompatible with oxidising agents.
Hazardous decomposition products:	Oxides of carbon.

## 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:

Ingestion:	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. Breathing in vomit may lead to aspiration pneumonia (inflammation of the lung).
Eye contact:	An eye irritant.
Skin contact:	Contact with skin will result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Component/s of this material can be absorbed through the skin with resultant toxic effects.
Inhalation:	Material may be irritant to the mucous membranes of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness, drowsiness, and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness. Intentional misuse by deliberately concentrating and breathing the contents can be harmful or fatal.

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**Acute toxicity:** No LD50 data available for the product.

**Chronic effects:** No information available for the product.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

### **Disposal Methods:**

Refer to local government authority for disposal recommendations. Dispose of material through a licensed waste contractor.

## 14. TRANSPORT INFORMATION

### **Road and Rail Transport**

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.



**UN No:** 1950  
**Transport Hazard Class:** 2.1 Flammable Gas  
**Proper Shipping Name or Technical Name:** AEROSOLS  
**Hazchem or Emergency Action Code:** 2YE

### **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:** 1950  
**Transport Hazard Class:** 2.1 Flammable Gas  
**Proper Shipping Name or Technical Name:** AEROSOLS

### **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:** 1950  
**Transport Hazard Class:** 2.1 Flammable Gas  
**Proper Shipping Name or Technical Name:** AEROSOLS, FLAMMABLE

## 15. REGULATORY INFORMATION

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## 15. REGULATORY INFORMATION

### Classification:

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### Subclasses:

Subclass 2.1.2 Category A - Flammable Aerosols.

Subclass 6.1 Category D - Substances which are acutely toxic.

Subclass 6.3 Category A - Substances that are irritating to the skin.

Subclass 6.4 Category A - Substances that are irritating to the eye.

Subclass 6.8 Category B - Substances that are suspected human reproductive or developmental toxicants.

Subclass 6.9 Category B - Substances that are harmful to human target organs or systems.

Subclass 9.1 Category D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

Subclass 9.3 Category C - Substances that are harmful to terrestrial vertebrates.

HSNO Group Standard:

Aerosols (Flammable) Group Standard 2006

### Hazard Statement(s):

H223 Flammable aerosol.

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

H315 Causes skin irritation.

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H402 Harmful to aquatic life.

H433 Harmful to terrestrial vertebrates.

## 16. OTHER INFORMATION

### Reason(s) for Issue:

Revised Primary SDS

Alignment to HSNO requirements

This safety data sheet has been prepared by SDS Services.

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 DuluxGroup Limited 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 DuluxGroup representative or DuluxGroup Limited at the contact details on page 1.

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

DuluxGroup owns the Dulux trade mark in Australia, New Zealand, PNG and Fiji. It is not associated with and has no connection to the owners of the Dulux trade mark in other countries, nor does it sell Dulux products in other countries.