

# Material Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** 889-LINE DULUX QUICK DRY SPRAYPAK

**Recommended Use:** Aerosol spray paint. Packed under pressure.

**Supplier:** Dulux Australia  
**ABN:** 004 117 828  
**Street Address:** McNaughton Road,  
Clayton South, Victoria  
Australia

**Telephone Number:** +61 3 9263 5678  
**Facsimile:** +61 3 9543 4346

**Emergency Telephone:** 1 800 033 111 (ALL HOURS)

## 2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of ASCC; HAZARDOUS SUBSTANCE.

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

**Risk Phrases:** Extremely Flammable. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes. Vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking.

**Safety Phrases:** Keep away from sources of ignition - No Smoking. Do not breathe vapour. Avoid contact with eyes. Do not empty into drains. Take precautionary measures against static discharges.

**Poisons Schedule:** None allocated.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components / CAS Number	Proportion	Risk Phrases
Synthetic polymer(s)	10-<30%	-
-		
Pigments	10-<30%	-
-		
Propellant (propane/butane)	10-<30%	R12
-		
Toluene 108-88-3	10-<30%	R11, R20
Xylene 1330-20-7	10-<30%	R10 R20/21 R38

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Acetone 67-64-1	10-<30%	R11 R36 R66 R67
2-Butoxyethanol 111-76-2	1-<10%	R20/21/22, R36/38
Solvent naphtha (petroleum), light arom. 64742-95-6	1-<10%	R65
Mineral turpentine	1-<10%	R10, R38, R65
-		
Ingredients determined not to be hazardous	to 100%	-
-		

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766) 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. 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. 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 the 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.

**Medical attention and special treatment:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Hazards from combustion products:** Flammable gas. On burning will emit toxic fumes, including those of oxides of carbon .

**Precautions for fire fighters and special protective equipment:** 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.

**Suitable Extinguishing Media:** Dry agent (carbon dioxide, dry chemical powder) - water MUST NOT be allowed to come into contact with substance.

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Hazchem Code: 2YE

## 6. ACCIDENTAL RELEASE MEASURES

**Methods and materials for containment and clean 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

**Conditions for safe storage:** 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.

**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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for constituent(s):

Acetone: 8hr TWA = 1185 mg/m<sup>3</sup> (500 ppm), 15 min STEL = 2375 mg/m<sup>3</sup> (1000 ppm)

Butane: 8hr TWA = 1900 mg/m<sup>3</sup> (800 ppm)

2-Butoxyethanol: 8hr TWA = 96.9 mg/m<sup>3</sup> (20 ppm), 15 min STEL = 242 mg/m<sup>3</sup> (50 ppm), Sk

Mineral turpentine: 8hr TWA = 480 mg/m<sup>3</sup>

Propane: Asphyxiant

Toluene: 8hr TWA = 191 mg/m<sup>3</sup> (50 ppm), 15 min STEL = 574 mg/m<sup>3</sup> (150 ppm), Sk

Xylene (o-, m-, p- isomers): 8hr TWA = 350 mg/m<sup>3</sup> (80 ppm), 15 min STEL = 655 mg/m<sup>3</sup> (150 ppm)

As published by the National Occupational Health and Safety Commission.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Asphyxiant - gases which can lead to reduction of oxygen concentration by displacement or dilution. The minimum oxygen content in air should be 18% by volume under normal atmospheric pressure.

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

These 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 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.

## 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.

## Personal Protective Equipment:

Orica Personal Protection Guide No.1,1998: NOT IN USE

No special personal protective equipment required. Always wash hands before smoking, eating, drinking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol
Solubility:	Soluble in organic solvents. Insoluble in water.
Specific Gravity:	0.8 approx.
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	N Av
Flash Point (°C):	-104 (propane)
Flammability Limits (%):	2.4-9.5 propane)
Autoignition Temperature (°C):	N Av
% Volatile by Volume:	N Av
Solubility in water (g/L):	Insoluble
Melting Point/Range (°C):	N App
Boiling Point/Range (°C):	N Av
Decomposition Point (°C):	N Av
pH:	N App
Viscosity:	N Av
Evaporation Rate:	N Av

## 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
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	Oxides of carbon.

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products:

Hazardous reactions: None known.

## 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 may 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.

### Long Term Effects:

No information available for the product. However, for the solvent component (toluene) (1): Evidence indicates that repeated or prolonged exposure to this chemical could result in central nervous system disorders.

### Toxicological Data:

No LD50 data available for the product. The toxicity of the product may be attributed to the solvents it contains. Additive effects may occur with mixtures of solvents. Similar effects can occur where the consumption of alcohol is also involved. For the constituent Toluene (1):

Oral LD50 (rat): 636 mg/kg  
Dermal LD50 (rabbit): 14100 uL/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods:** Do not puncture or burn can when empty; contents are under pressure. If aerosol can develops a leak, allow to fully discharge before disposal. Normally suitable for disposal at approved land waste site.

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## 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:** 1950  
**Class-primary:** 2.1 Flammable Gas  
**Proper Shipping Name:** AEROSOLS  
**Hazchem Code:** 2YE

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  
**Class-primary:** 2.1 Flammable Gas  
**Proper Shipping 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  
**Class-primary:** 2.1 Flammable Gas  
**Proper Shipping Name:** AEROSOLS, FLAMMABLE

## 15. REGULATORY INFORMATION

**Classification:** This material is hazardous according to criteria of ASCC; HAZARDOUS SUBSTANCE.

**Hazard Category:** Xn: Harmful  
Xi: Irritant

**Risk Phrase(s):** R12: Extremely Flammable.  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
R36: Irritating to eyes.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

**Safety Phrase(s):** S16: Keep away from sources of ignition - No smoking.  
S23: Do not breathe vapour/mist/aerosol.  
S25: Avoid contact with eyes.  
S29: Do not empty into drains.  
S33: Take precautionary measures against static discharges.

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**Poisons Schedule:** None allocated.

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

## 16. OTHER INFORMATION

(1) Material Safety Data Sheet - Orica Australia Pty Ltd; 07/ 2004.

This material safety data sheet has been prepared by SH&E Shared Services, Orica.

**Reason(s) for Issue:**

- Format change
- Alignment to HSNO requirements
- Change to Exposure Limits.

This MSDS 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 Orica 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 Orica representative or Orica Limited at the contact details on page 1.

Orica 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.

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