

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** **366-H0070 METALSHIELD ALL SURFACE PRIMER NEUTRAL GREY**

**Recommended use of the chemical and restrictions on use:** Etch primer for metal substrates.

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

**Street Address:** Co. 2355191  
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 3.1 Category B (high hazard) - Flammable Liquids.

Subclass 6.1 Category E - Substances which are acutely toxic.

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

Subclass 6.5 Category B - Substances that are contact sensitisers.

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 8.3 Category A - Substances that are corrosive to ocular tissue.

Subclass 9.1 Category B - Substances that are ecotoxic in the aquatic environment.

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

Surface Coatings and Colourants (Flammable) Group Standard 2006



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## Hazard Statement(s):

H225 Highly flammable liquid and vapour.  
H303+H313+H333 May be harmful if swallowed, in contact with skin or if inhaled.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H361 Suspected of damaging fertility or the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.  
H433 Harmful to terrestrial vertebrates.

## Precautionary Statement(s):

### Prevention:

P102 Keep out of reach of children.  
P103 Read label before use.  
P104 Read Safety Data Sheet before use.  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P281 Use personal protective equipment as required.  
P273 Avoid release to the environment.

### Response:

P370+P378 In case of fire: Use extinguishing media as outlined in Section 5 of this Safety Data Sheet for extinction.  
P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
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.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P391 Collect spillage.

### Storage:

P403+P235 Store in a well-ventilated place. Keep cool.

### 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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Isobutyl alcohol	78-83-1	10-<30%	H226 H335 H315 H318 H336
Acetone	67-64-1	10-<30%	H225 H319 H336
Propylene glycol monomethyl ether acetate	108-65-6	10-<30%	H226

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Titanium dioxide	13463-67-7	<10%	-
Talc	14807-96-6	<10%	-
Zinc phosphate	7779-90-0	<10%	H400 H410
Isopropyl alcohol	67-63-0	<10%	H225 H319 H336
Bisphenol A, epichlorohydrin polymer	25068-38-6	<10%	H319 H315 H317 H411
Xylene	1330-20-7	<10%	H226 H332 H312 H315
Other ingredient(s)	-	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.

#### Skin Contact:

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek 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:

Rinse mouth with water. 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. Can cause corneal burns.

### 5. FIRE FIGHTING MEASURES

#### Suitable Extinguishing Media:

Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.

#### Hazchem or Emergency Action Code: · 3YE

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

Highly flammable liquid. 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. If safe to do so, remove containers from path of fire. 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



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### 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:

Shut off all possible sources of ignition. Clear area of all unprotected personnel. 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

**Precautions for safe handling:** Avoid skin and eye contact and breathing in vapour. 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. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities:** Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Store away from foodstuffs. 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

Isobutyl alcohol: WES-TWA 50 ppm, 152 mg/m<sup>3</sup>

Isopropyl alcohol: WES-TWA 400 ppm, 983 mg/m<sup>3</sup>; WES-STEL 500 ppm, 1,230 mg/m<sup>3</sup>

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).

No Exposure Standards assigned to other constituents.

**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.

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:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. 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.



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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Viscous liquid
<b>Colour:</b>	Grey
<b>Odour:</b>	Strong Solvent
<b>Solubility:</b>	Soluble in organic solvents. Insoluble in water.
<b>Specific Gravity:</b>	0.95-1.05
<b>Relative Vapour Density (air=1):</b>	>1
<b>Vapour Pressure (20 °C):</b>	24.7 kPa

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (°C):	-18 (OC)
Flammability Limits (%):	1-12.8
Autoignition Temperature (°C):	Not available
% Volatile by Volume:	Not available
Boiling Point/Range (°C):	56-145
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.
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:	A severe eye irritant. Contamination of eyes can result in permanent injury.
Skin contact:	Contact with skin may result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.
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.

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

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

## 12. ECOLOGICAL INFORMATION

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**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:** 1263  
**Transport Hazard Class:** 3 Flammable Liquid  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** PAINT  
**Hazchem or Emergency Action Code:** - 3YE

### 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:** 1263  
**Transport Hazard Class:** 3 Flammable Liquid  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** PAINT

### 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:** 1263  
**Transport Hazard Class:** 3 Flammable Liquid  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** PAINT

## 15. REGULATORY INFORMATION

### Classification:

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H433 Harmful to terrestrial vertebrates.

## 16. OTHER INFORMATION

Supplier Safety Data Sheet; 09/ 2012.

### Reason(s) for Issue:

Revised Primary SDS  
Change to Poisons 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.