

DCM TRADING , Unit 1, 9 Steel St, Capalaba, QLD Australia, 4157	
Tel. for Information: (07) 3245 2355 Last Updated: March 2011	Fax for Information: (07) 3245 2499 Page 1 of 3
Material Safety Data Sheet	DCM BLACK N ZINC Aerosol

Classified as hazardous according to criteria of Safe Work Australia (SWA).

1. Chemical Product / Company Identification

Product Name: **Black N Zinc**
Product Type: Zinc enriched coating
Product Size: 400g Aerosol Part No. D1006
Proper Shipping Name: Aerosol UN No.: 1950 DG Class: 2.1
Sub Risk: Nil Hazchem Code: 3[Y]E Poisons Schedule: S5
Product Use: A zinc enriched coating for the protection of iron and steel against rust and corrosion, applied by aerosol spray.
Company Details: DCM Trading P/L 1/9 Steel St Capalaba QLD Australia 4157
Phone: 07 3245 2307 Fax: 07 3245 2499

2. Hazards Identification

Hazard Category	Xi	Irritant
Risk Phases	R36	Irritating to eyes
	R66	Repeated exposures may cause skin dryness and cracking
	R67	Vapours may cause drowsiness and dizziness
Safety Phrases	S24/25	Avoid contact with skin and eyes
	S36/37/39	Wear suitable protective clothing, gloves, and eye/face protection
	S38	In case of insufficient ventilation, wear suitable respiratory equipment

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

3. Composition and Information on Chemical Ingredients

Chemical Entity	CAS No.	Proportion %
Acetone	67-64-1	30-60
Xylene	1330-20-7	10-30
Propane	74-98-6	10-30
Butane	106-97-8	10-30
1 Methoxy 2 Acetoxypropane	108-65-6	<10
Zinc Phosphate	7779-90-0	<10
Ingredients determined to be non-hazardous	-	Balance of 100%

4. First Aid Measures

Swallowed Do not induce vomiting. Give water to rinse mouth. Give two 300ml glasses of water to drink. If patient starts to vomit involuntarily encourage to sit up and lean forward from the hips. Seek urgent medical assistance if more than 100ml was swallowed or if symptoms persist.

Eye Immediately: Hold eyelids open and flush eyes with clean water for at least 15 minutes. While flushing, gently lift upper and lower eyelids away from eyes and ensure both are thoroughly flushed. If symptoms persist seek prompt medical assistance.

Skin Immediately remove all contaminated clothing, including footwear, after wetting with water if available. Wash affected areas thoroughly with water, and soap if available. Rinse well and pat dry. Seek medical assistance promptly if symptoms persist.

Inhaled Remove to fresh air, lay down, rest. If not breathing, apply resuscitation. Keep patient warm and at rest until fully recovered. Seek medical advice if effects persist.

Advice to Doctor Provide supportive care and treatment based on the patient's reaction to the exposure. For further information, contact with Poisons Information Centre.

5. Fire Fighting Measures

(See Section 9 Physical and Chemical Properties for Autoignition temp)

Specific hazards: Flammable gas. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. 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.

Further fire fighting advice: Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning, may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code: 2YE **Suitable extinguishing media:** If material is involved in a fire, use water fog (or if unavailable, fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

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6. Accidental Release Measures

Small Spills

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

Large Spills

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 contamination and the inhalation of vapours. Work upwind or increase ventilation. Contain – prevent runoff into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred, advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: 49

7. Safe Handling Information

Handling: Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

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

This material is classified as a Dangerous Good Class 2.1 Flammable Gas as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

8. Exposure Control and Personal Protection

(The SWA has established exposure standards for the below components but not for the finished product.)

	TWA		STEL		Carcinogen Category	Notices
	Ppm	mg/m3	ppm	mg/m3		
Acetone	500	1185	1000	2375	-	-
Propane						Asphyxiant
Butane	800	1900	-	-	-	-
1 Methoxy 2 Acetoxypropane	50	274	100	548	-	Sk

Biological Limit Values: As per the “National Model Regulations for the Control of Workplace Hazardous Substances (SWA)” the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measure: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air – prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. An asphyxiant gas, which can lead to the reduction of oxygen concentration by displacement or dilution. The minimum oxygen content in air should be 18% by volume under normal atmospheric pressure. Keep containers closed when not in use.

Personal Protection Equipment: OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, and RESPIRATOR.

Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS1715 and AS/NZA 1716.

Available information suggests that gloves made from neoprene, nitrile or butyl rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and Chemical Properties

Appearance: Black coloured liquid in aerosol can

Odour: Aromatic odour

Solubility: Insoluble in water

Specific Gravity (20°C): 0.9 – 1.0

Relative Vapour Density (air = 1): Not Available

Vapour Pressure (20°C): Not Available

Flash Point (C°): <0

Flammability Limits (%): Not Available

Autoignition Temp (°C): Not Available

Melting Point/Range (C°): <0

Boiling Point/Range (C°): <0

pH: Not Applicable

Viscosity: Not Available

Total VOC (g/Litre): Not Available

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10. Stability and Reactivity

Chemical Stability:

This material is thermally stable when stored and used as directed.

Conditions to Avoid:

Elevated temperatures and sources of ignition.

Incompatible Materials:

Oxidising agents.

Hazardous decomposition products:

Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous Reactions:

No known hazardous reactions.

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:

Acute Effects-

Inhalation: Material may be irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea.

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.

Eye Contact: An eye irritant.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Long Term Effects: No information available for product.

Acute toxicity/Chronic Toxicity: No LD50 data available for the product.

12. Ecological Information

Avoid contaminating waterways. Ecotoxicity: No information available. Persistence and Degradability: No information available. Mobility: No information available.

13. Disposal Considerations

Recommended method of disposal: Dispose of according to Federal, State and local government regulations.

14. Transport Information

Transport in accordance with the ADG Code & Regulations, the IMDG Code or the IATA DG Regulations as appropriate to mode of transport.

UN No.: 1950 Dangerous Goods Class: 2.1 Flammable Gases

Packing Group: Not Applicable

Hazchem Code: 2YE

Emergency Response Guide No.: 49

Proper Shipping Name: AEROSOLS

15. Regulatory Information

Poisons Schedule (Aust): S5

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

16. Other Information

Users should verify the currency of this data sheet if more than 5 years old. The information contained in this material safety data sheet is believed to be accurate on the date of issue and in accordance with the information available to us. Persons dealing with products referred to in this MSDS do so at their own risk. We accept no liability whatsoever for damage or injury however caused arising from use of this information or of suggestions contained herein.

POLICE AND FIRE BRIGADE:

DIAL 000

NATIONAL POISONS INFORMATION CENTRE:

DIAL 13 11 26

For further safety information contact Denis Brown at DCM TRADING on:

Tel: (07) 3245 2307 Fax: (07) 3245 2499

P.O. Box 5357, Alexandra Hills, QLD, Australia, 4161

Disclaimer

The information contained within this MSDS applies only to the DCM TRADING product to which the sheet relates. The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However no warranty is made, either express or implied, regarding its accuracy or any liability arising out of the use of the information herein or the products supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classification of the hazards has changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it was recommended. In such cases a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work. It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way. They should check the adequacy of the information provided within this MSDS before passing it on to their customers / staff.

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