

MATERIAL SAFETY DATA SHEET

Date of Issue: March 2011

Product Name: Hammerite Direct to Rust Metal Paint Hammered Aerosol

Section 1 - Identification of the Material and Supplier

COMPANY DETAILS: The Flood Company Australia P/L
 ACN 92 003 024 600
 4 Nelson Avenue Padstow NSW 2211
 Ph: 02 9790 5158, 1800 226-113
 Fax: 02 9709-2604
 A/H

PRODUCT:

Product Name: Hammerite Direct to Rust Metal Paint Hammered Aerosol

Other Names: Not Applicable

Manufacturer's Product Code: Not applicable

Use: Decorative products are intended for use in the decoration of buildings surfaces. Refer to product label for details of areas of use and methods of application. The product is intended for use in the process of repairing, preparing or decorating building surfaces, as directed on the container.

Section 2 - Hazards Identification

Classified as **Hazardous** according to the Approved Criteria For Classifying Hazardous Substances [NOHSC:1008] 3rd Edition.

Irritant (Xi)

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

Flammable
 Dangerous For The Environment

National Occupational Health and Safety Commission (NOHSC) LIST OF DESIGNATED HAZARDOUS SUBSTANCES [NOHSC:10005(1999)] Phrases-

Risk Phrases

R12	Extremely flammable.
R36	Irritating to eyes.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R66	Repeated exposure may cause skin dryness or cracking.
P96	Pressurised container: protect from sunlight and do not expose to temperature exceeding 50 degrees C. Do not pierce or burn, even after use.
P97	Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

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Contains ETHYL METHYL KETOXIME. May produce an allergic reaction.

Safety Phrases

- S2 Keep out of the reach of children.
 S9 Keep container in a well-ventilated place.
 S16 Keep away from sources of ignition - no smoking.
 S23 Do not breathe spray.
 S24/25 Avoid contact with skin and eyes.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S46 If swallowed, seek medical advice immediately and show this container or label.
 S51 Use only in well ventilated areas.
 S61 Avoid release to the environment. Refer to special instructions/Safety data sheet.

Information on Occupational Exposure Limits is given in Section 8.

Section 3 - Composition/Information on Ingredients

EC No.	CAS No.	HAZARDOUS INGREDIENTS	%	CLASSIFICATION
200-662-2	67-64-1	ACETONE	25-50	F, Xi R11-36-66-67
265-150-3	64742-48-9	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	25-50	Xn R65-66
200-827-9	74-98-6	PROPANE	10-25	F+ R12
203-448-7	106-97-8	BUTANE(CONT.<0.1%BUTADIENE)	2.5-10	F+ R12
200-857-2	75-28-5	ISOBUTANE	1.0-2.5	F+ R12
231-944-3	7779-90-0	ZINC PHOSPHATE PIGMENT	1.0 - 2.5	N R50/53
202-496-6	96-29-7	ETHYL METHYL KETOXIME	< 1.0	Xn R21-40-41-43 Carc. Cat. 3

Note: The text for R phrase codes shown above (if any) is given in section 16.

Note: 'EC Number' if quoted is the EINECS or ELINCS number.

Section 4 First Aid Measures

In all cases of doubt, or where symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Swallowed: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Keep at rest and obtain medical attention.

Eye: Remove contact lenses Flush immediately with plenty of cool running water; continue flushing for 10 minutes holding eye lids apart. Seek medical advice.

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Skin: Remove contaminated clothing, wash skin thoroughly with soap and water, or use a proprietary skin cleanser. Do not use solvents or thinners. Seek medical advice if symptoms persist.

Inhaled: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped administer artificial respiration. Give nothing by mouth. If unconscious place in the recovery position. Seek medical advice.respiration.

IF IRRITATION PERSISTS CALL A DOCTOR

Advice to Doctor: Treat symptomatically

Section 5 Fire Fighting Measures

Flammable liquid

Extinguishing media: Recommended - alcohol resistant foam, CO2, powders.

Not to be used - waterjet.

Recommendations: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Fire fighters should wear self-contained breathing apparatus.

Closed containers exposed to fire should be cooled with water. Do not allow run-off from fire-fighting to enter drains or water-courses.

Section 6 Accidental Release Measures

Exclude non-essential personnel.

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in section 8. Contain and collect spillage with non-combustible absorbent materials, eg sand, earth, vermiculite or diatomaceous earth, and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product enters drains or sewers, immediately contact the local water company; in the case of contamination of stormwater drains, streams, rivers or lakes, the relevant environment agency.

Section 7 Handling and Storage

Persons with a history of skin sensitisation problems which are related to substances listed in section 3 of this safety data sheet should only be employed in processes in which this product is used under appropriate medical supervision.

HANDLING CONDITIONS: Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected by the appropriate standard. Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used. Avoid skin and eye contact. Avoid the inhalation of vapour and mist. Smoking, eating and drinking should be prohibited in storage and use areas. For personal protective equipment see Section 8. Always keep in containers made of the same material as the supply container, or in containers that are compatible with the product. The

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accumulation of contaminated rags may result in spontaneous combustion. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.

Preparations may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing, and floors should be of the conducting type.

STORAGE CONDITIONS: Observe the label precautions. Store in a cool, dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Do not use or store any paint container by hanging on a hook.

The principles contained in the HSE guidance note Storage of Packaged Dangerous Substances, should be observed when storing this product.

Store separately from oxidising agents, strongly alkaline and strongly acidic materials, amines, alcohols and water.

Section 8 Exposure Controls/Personal Protection

EXPOSURE LIMIT VALUES

HAZARDOUS INGREDIENT	LTEL (8hr TWA) ppm	LTEL (8hr TWA) mg/m3	STEL (15 mins) ppm	STEL (15 mins) mg/m3	Notes
ACETONE	500	1200	1500	3620	WEL
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY		1000			OEL
PROPANE	500	900			
BUTANE (CONT.<0.1%BUTADIENE)	600	1430	750	1780	WEL
ETHYL METHYL KETOXIME	3	10			SUP

OEL - Occupational Exposure Limits

WEL - Workplace Exposure Limit

SUP -Manufacturer's recommended Limit

LTEL - Long-term Exposure Limit.

TWA - Time weighted Average

STEL - Short term Exposure Limit (15mins)

sk - Risk of absorption through unbroken skin

sen - Respiratory sensitiser

rd - Figure quoted is for Respirable dust

id - Figure quoted is for Inhalable dust

Further guidance on WELs and OELs, and on occupational exposure to harmful materials (including mixed exposures) is given in UK - HSE Guidance Note EH40.

EXPOSURE CONTROLS

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Before commencing work, ensure that a Risk Assessment has been carried out. All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of local regulations.

RESPIRATORY PROTECTION:

Avoid the inhalation of vapour, particulates and spray mist. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general ventilation. If this is not sufficient to maintain concentrations of particulates and solvent vapour below the occupational exposure limit, respiratory protection must be worn.

The selection of respiratory equipment should be in accordance with AS/NZS 1715 Selection, Use and Maintenance of Respiratory Protective Devices and AS/NZS 1716 Respiratory Protective Devices

For solvent-based products, consider using water-based products as alternatives, where equivalent products exist. Work only in places of good ventilation. Inside always keep doors and windows fully open during application and drying. When applying solvent-based products by brush or roller to large surface areas inside, or using in small confined spaces, the wearing of air supplied breathing apparatus will be necessary except that when applying for short periods only, a cartridge mask may be worn providing the filter is changed regularly. Do not spray any product unless directed to do so on the container. The principal hazards associated with paint spraying are health hazard from inhalation of vapours and spray mist, and fire risk.

When applying solvent-based paints by spray, in case of insufficient ventilation, the wearing of air-fed respiratory equipment will always be necessary. Refer to your risk assessment. When spraying solvent based products it is possible to build up an explosive or flammable atmosphere: All respiratory equipment must be suitable for the purpose and meet an appropriate standard. Refer to relevant Australian Standard (See below in this section).

HAND PROTECTION: Wear suitable gloves for protection against materials in section 3.

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed.

EYE PROTECTION: Eye protection designed to protect against liquid splashes should be worn.

SKIN PROTECTION: Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

Australian standard references:

AS/NZS 1336	Recommended Practices for Occupational Eye Protection
AS/NZS 1715	Selection, Use and Maintenance of Respiratory Protective Devices
AS/NZS 1716	Respiratory Protective Devices
AS 2161	Industrial Safety Gloves and Mittens (excluding electrical and medical gloves)

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Section 9 Physical and Chemical Properties

Physical State:	Aerosol
Flash Point:	< -18 °C
Specific Gravity:	0.7- 0.9
Water Miscibility:	No information
pH:	No Information
Viscosity:	< 30 (ISO 6mm Range)
Initial Boiling Point:	30 °C
Explosion limits:	Lower - approx. 0.8% Upper - no information

Section 10 Stability and Reactivity

CONDITIONS TO AVOID: Extremes of temperature.

To prevent the creation of flammable concentrations of vapour in air, good natural ventilation, and if necessary, local exhaust ventilation, should be provided. The accumulation of dry overspray, contaminated rags, etc may result in spontaneous combustion. Good housekeeping standards plus the regular and safe removal of waste materials will minimise the risk.

MATERIALS TO AVOID: Keep away from oxidising agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions.

HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke and oxides of nitrogen.

Section 11 Toxicological Information

There is no data available on the product itself. The product has been assessed following the conventional method in the UK CHIP Regulations and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. See Sections 2 and 15 for details of the resulting hazard classification.

Over-exposures of vapour are irritating to eyes and respiratory system. Excessive concentrations may produce effects on the central nervous system including drowsiness. In extreme cases loss of consciousness may result. Long term exposure to vapour concentrations in excess of quoted OELs may result in adverse health effects. Splashes entering the eye will cause discomfort and possible damage. Prolonged contact with the skin may have a defatting effect which may lead to skin irritation and in some cases dermatitis.

This product contains methyl ethyl ketoxime. The classification given in Section 3 is in concurrence with Annex 1 of EU Directive 67/548/EEC. Ingestion studies in animals have shown

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that repeated doses have an adverse effect on the blood. A lifetime inhalation study in rats and mice produced damage to the nasal membranes and liver tumours. The relevance of the carcinogenicity findings to humans is uncertain. The new data may lead to a future reclassification of methyl ethyl ketoxime. Further studies are to be conducted.

Section 12 Ecological Information

There is no specific data available on the product itself.

The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters.

Products classified as Marine Pollutants are indicated as such under Transport (section 14).

Products classified as Dangerous for the Environment are indicated as such in sections 2 and 15.

Any substances in the product that are classified as Dangerous for the Environment, present at concentrations above those requiring listing are given in section 3.

Section 13 Disposal Considerations

Dispose of containers and unused contents in accordance with federal and state regulations. Do not dispose liquid waste in sewerage system.

CODES ACCORDING TO THE LIST OF EUROPEAN WASTES REGULATIONS:

Product as supplied: Assigned as hazardous waste code 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances.

Part-used containers, containing dried residues of the supplied product: Assigned as hazardous waste code 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances.

Used containers, rigorously scraped out and containing dried residues of the supplied product: Not applicable.

"Rigorously scraped out" means removing the maximum amount of product from the container by physical or mechanical means (draining or scraping) to leave a residue or contamination that cannot be removed by such means.

These codes have been assigned based on the actual composition of the product both as supplied and as dried residues. If mixed with other wastes, the waste codes quoted may not be applicable.

The generator of the waste has the responsibility for proper waste classification, transportation and disposal.

The above information applies to the material as manufactured. Processing, use or contamination may make the information inappropriate, inaccurate or incomplete.

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Section 14 Transport Information

Transport within user's premises:

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

ADG Classification Information

UN Number: 1950

Proper Shipping Name: AEROSOLS

Hazard Class: 2

Sub-Hazard Class: N/A

Packing Group:

Hazchem Code: 2YE

HIN: Not issued

IMDG Classification Information

UN Number: 1950

Proper Shipping Name: AEROSOLS

Hazard Class: 2

Sub-Hazard Class: N/A

Packing Group:

Marine Pollutant if indicated here:

Emergency Schedule No: F-D, S-U

Flashpoint: < -18

Section 15 Regulatory Information

This product has been assessed under the UK-CHIP Regulations and is classified as follows:

NAMED SUBSTANCES

Contains No substances are required to be named in this section

INDICATION(S) OF DANGER

Extremely Flammable, Irritant

SYMBOLS LETTER(S)

None

Additional recommended WARNING LABEL PHRASES:

J37 SOLVENT-BASED PAINT.

R36 Irritating to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

P99 Contains: ETHYL METHYL KETOXIME. May produce an allergic reaction.

P96 Pressurised container: protect from sunlight and do not expose to temperature exceeding 50 degrees C. Do not pierce or burn, even after use.

P97 Do not spray on a naked flame or any incandescant material. Keep away from sources of ignition – No smoking. Keep out of the reach of children.

A6 Solvent abuse can kill instantly.

S9 Keep container in a well-ventilated place.

S51 Use only in well ventilated areas.

S23 Do not breathe spray.

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- J103 Ensure maximum ventilation during application and drying.
S24/25 Avoid contact with skin and eyes.
J33 When applying it is advisable to wear eye protection.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
J34 After contact with skin, wash immediately with plenty of soap and water or a proprietary skin cleanser. Do not use solvent, thinners or white spirit.
S46 If swallowed, seek medical advice immediately and show this container or label.
J16 Do not empty into drains or watercourses. Some local authorities have special facilities for disposing of waste paint.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
J110 This includes waste hazard categories.
J50 Avoid the inhalation of dust. Wear a suitable face mask if dry sanding.
J44 Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead

Section 16 Other Information

Text for R Phrases shown in section 3 describing each ingredient:

- R10 Flammable.
R11 Highly Flammable
R12 Extremely flammable.
R21 Harmful in contact with skin..
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

The information in this safety data sheet is required in pursuant to the CHIP Regulations.

Keep out of reach of children.

The above information is believed to be correct with respect to the formula used in manufacture of the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION