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HEALTH AND SAFETY DATA SHEET

1. **PRODUCT:** JOHNSTONE'S PERFORMANCE Stopmould **PAGE:** 1 of 6
REVISION: 3 **DATE:** 1.11.05
USE: A water-borne matt emulsion paint for interior surfaces.
Application by brush, roller or spray. For use only as a Biocidal Paint.

2. **COMPOSITION/INFORMATION ON INGREDIENTS**

Substances presenting a health or environmental hazard within the meaning of the CHIP Regulations or which are assigned Exposure Limit Values: -

Name	Einecs No	Conc.Range	Symbol	R-Phrases*
Dichlorophenyl Dimethylurea	206-354-4	0.1%	Xn.N	22,40,48/22,50/53
Carbendazim	234-232-0	0.045%	T.N	46,60,61,50/53
2 Octyl-2H-Isothiazol-3-one	247-761-7	0.014%	T.N	22,23/24,34,43,50/53

*for full text see section 16.

3. **HAZARD IDENTIFICATION OF THE PREPARATION**

The product is cleared under the UK Governments 'The Control of Pesticides Regulations 1986' for use as directed. HSE No . Refer to sections 15 and 16 for full classification and statutory conditions relating to use. The product is not classified as dangerous according to the CHIP Regulations. Also refer to section 11.

4. **FIRST AID MEASURES**

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

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

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or a recognised skin cleaner. DO NOT USE SOLVENT OR THINNERS.

Eye Contact: Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.

Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.

5. **FIRE FIGHTING MEASURES**

The liquid products are 'non-flammable'.

Extinguishing Media:

Recommended: alcohol resistant foam, CO₂, powder, water spray/mist

Not to be used: water jet

Recommendations: As the products contain combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Appropriate self contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run off from fire fighting to enter drains or water courses.

6. **ACCIDENTAL RELEASE MEASURES**

Exclude non essential personnel. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth, and place in a suitable container for disposal in accordance with the waste regulations (see section 13). Do not allow to enter drains or water courses. Clean with water. If the product enters drains or sewers, immediately contact the local water company; in case of contamination of streams, rivers or lakes, the relevant environment agency.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For Occupational Exposure Controls measures see Section 8. Keep containers closed when not in use. Never use pressure to empty, the container is not a pressure vessel. Ensure good housekeeping and regular safe removal of waste materials.

The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product. To assist employers the following method of calculating the weight of any pack is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in section 9. This will give the nett weight of the product in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.

STORAGE: Observe the label precautions. Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Keep out of the reach of children. Store separately from oxidising agents and strongly alkaline and strongly acidic materials. Containers which are opened should be properly resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS: Provide adequate ventilation during application and drying. Avoid inhalation of vapours and spray mist by the provision of good ventilation sufficient to keep airborne concentrations below the relevant Workplace Exposure Limit, suitable respiratory protective equipment should be worn (see 'personal protection' below).

EXPOSURE LIMIT VALUES:

Substance	Workplace Exposure Limits				Notations
	8 hr LTEL (1)		15 min STEL (2)		
	ppm	mgm ⁻³	ppm	mgm ⁻³	
Particulates (Sprayed material): -					
Respirable	-	5(W)	-	-	-
Total inhalable	-	10(W)	-	-	-

(1) Long-Term Exposure Limit - 8 hour Time Weighted Average

(2) Short-Term Exposure Limit - 15 minute reference period

(W) Workplace Exposure Limit (WEL)

(SUP) Recommended by suppliers

(A) Allocated limits by analogy with similar materials

WEL's are taken from the current version of EH40, except those marked (SUP) or (A) which are assigned by the supplier of the substance

OCCUPATIONAL EXPOSURE CONTROLS: All Personal Protective Equipment (ppe), including Respiratory Protective Equipment (rpe), used to control exposure to hazardous substances must be selected and maintained to meet the requirements of the COSHH regulations.

RESPIRATORY PROTECTION: If exposure to hazardous substances identified above cannot be controlled by the provision of local exhaust ventilation and good general extraction e.g. work in enclosed areas, suitable respiratory protective equipment should be worn. Dry sanding of the dry film will give rise to dust and/or hazardous fumes.

HAND PROTECTION: 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. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

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 recognised skin cleaner. Regular skin inspection of users of this product is recommended. **ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.**

9. PHYSICAL AND CHEMICAL PROPERTIES

physical state	pigmented viscous liquid
flash point	>100°C
specific gravity	1.31-1.35 @ 20°C
solubility in water	miscible
pH	7-9
VOC Directive 2004/42/CE	Class A.i. Max VOC 5g/l

10. STABILITY AND REACTIVITY

Stable under the recommended storage and handling conditions (see section 7). In a fire, hazardous decomposition products such as smoke, carbon dioxide, carbon monoxide and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of an exothermic reaction.

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. The product has been assessed following the conventional method in CHIP and is classified to toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and chronic effect of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. See section 13 and 15 for details of the resulting hazard classification. Splashes in the eye may cause irritation and reversible local damage. Repeated or prolonged contact may lead to removal of natural fats from the skin resulting in non allergic contact dermatitis.

12. ECOLOGICAL INFORMATION

There is no data available on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product. The product has been assessed following the conventional method in CHIP and is classified for ecological hazards accordingly, see sections 3 and 15 for details. See also sections 5, 6 and 13.

Substance classified As DfE (1)	Mobility (2)	Persistence and Biodegradability (2)	Other adverse Effects
Dichlorophenyl Dimethylurea. Carbendazim. 2 Octyl-2H-Isothiazol-3-one.	Miscible with water	Slowly biodegradable	LC50 1-10 mg/l

(1) All substances listed in Section 2 and classified as dangerous for the environment (DfE).

(2) Information taken from suppliers' safety data sheet and relevant to impacts in the accidental release in storage, handling, use and disposal.

13. DISPOSAL CONSIDERATIONS

Do not allow into enter drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled waste and should be disposed of in accordance with regulations made under the 'Control of Pollution Act' and the 'Environmental Protection Act'. Using information provided in this safety data sheet, advice should be obtained from the relevant environment agency whether the Hazardous Waste Regulations apply.

14. TRANSPORT INFORMATION

Transport within the users 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.

Onwards transport subsequent to purchase: - Transport to be in accordance with ADR for road, IMDG for sea and ICAO/IATA for air.

Proper shipping name: The product is not classified as dangerous for carriage
UN number:
Hazard class:
Packing Group:
Sub-hazard class:

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the requirements of the 'Control of Pesticides Regulations' 1986 and the CHIP Regulations as follows: -

Classification: -

Symbol: -

Names: Contains Dichlorophenyl Dimethylurea, Carbendazim, 2 Octyl-2H-Isothiazol-3-one

STATUTORY CONDITIONS RELATING TO USE. Refer to page 5.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

16. OTHER INFORMATION

Symbols and text of the R phrase in section 2: -

RISK PHRASES

R22 Harmful if swallowed

R23/24 Toxic by inhalation and in contact with skin

R34 Causes burns

R40 Limited evidence of a carcinogenic effect

R43 May cause sensitisation by skin contact

R48/22 Harmful: Danger of serious damage to health by prolonged exposure if swallowed

R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

R60 May impair fertility

R61 May cause harm to the unborn child

WARNING SYMBOLS

Xn Harmful

T Toxic

N Dangerous for the environment

REFERENCE DOCUMENTS

STATUTORY

Air Navigation (Dangerous Goods) Regulations

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations as amended

Chemical (Hazard Information and Packaging for Supply) (Amendment) Regulations

Consumer Protection Act 1987

Control of Pesticides Regulations 1986

Control of Pollution (Amendment) Act 1989

Control of Substances Hazardous to Health Regulations

Dangerous Good Safety Advisor Regulations

Environmental Act 1995

Environmental Protection (Duty of Care) Regulations

Environmental Protection Act 1990

Factories Act 1961

Hazardous Waste (England and Wales) Regulations

Health and Safety at Work Act 1974

International Rail/Road Transport - RID and ADR (Current Editions)

List of Wastes (England) Regulations

Management of Health and Safety at Work Regulations 1999

Manual Handling Regulations 1992

Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations

Personal Protective Equipment at Work Regulations 1992

Provision and Use of Work Equipment Regulations

Waste Management Licensing Regulations

APPROVED CODES OF PRACTICE

ACOP - Control of Substances Hazardous to Health/Control of Carcinogenic Substances- HSE Books
ACOP - Waste Management - The Duty of Care

HEALTH AND SAFETY EXECUTIVE

GUIDANCE NOTES

HS(G)37 An Introduction to Local Exhaust Ventilation
EH40 Workplace Exposure Limits
EH44 Dust: General Principles of Protection
HS(G)53 The Selection, Use and Maintenance of Respiratory Protective Equipment – A Practical Guide
HS(G)193 COSHH Essentials: easy steps to control chemicals

BRITISH STANDARDS PUBLICATIONS

EN166 Personal Eye Protection - Specifications
EN420 General Requirements for Gloves
BS2092: Eye Protection for Industrial and Non-Industrial Users
BS4275: Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application.

FOR USE ONLY AS A BIOCIDAL PAINT

CONTAINS

Dichlorophenyl Dimethylurea 0.1% w/w
Carbendazim 0.045% w/w
2-Octyl-2H-Isothiazol-3-one 0.014% w/w

STATUTORY CONDITIONS RELATING TO USE

FOR USE ONLY AS A BIOCIDAL PAINT.

APPLY AT A RATE OF ONE LITRE OF PRODUCT PER 9-11 SQUARE METRES OF SURFACE (DEPENDANT ON SURFACE POROSITY) by brush, roller or spray.

Wear suitable protective clothing and gloves.

Use only in well ventilated areas.

Do not breathe spray. Otherwise wear respiratory protective equipment and eye protection (See HSE Guidance Booklet HS(G)53: "The Selection, Use and Maintenance of Respiratory Protective Equipment - A Practical Guide").

DANGEROUS TO FISH AND OTHER AQUATIC LIFE.

REMOVE OR COVER ALL FISH TANKS AND BOWLS before application.

Do not contaminate ground or watercourses with chemicals or used container.

COVER WATER STORAGE TANKS before application.

KEEP AWAY FROM TREATED SURFACES UNTIL DRY.

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.

Do not empty into drains.

DO NOT USE NEAR DRAINS. PREVENT ANY SURFACE RUN-OFF FROM ENTERING DRAINS.

This material and its container must be disposed of in a safe way.

ADDITIONAL FOR PROFESSIONAL OPERATORS: -

FOR USE ONLY BY PROFESSIONAL OPERATORS.

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work. Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment.

AVOID EXCESSIVE CONTAMINATION OF COVERALLS AND LAUNDER REGULARLY.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

READ ALL PRECAUTIONS BEFORE USE (HSE NO.).

PRECAUTIONS

WASH ANY CONTAMINATION from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after use.

Keep out of the reach of children.

Keep only in original container.

Keep container tightly closed.

KEEP IN A SAFE PLACE.

Safety data sheet available for professional user on request.

THIS PRODUCT IS APPROVED UNDER THE CONTROL OF PESTICIDES REGULATIONS 1986 FOR USE AS DIRECTED. HSE NO. .

READ ALL PRECAUTIONS BEFORE USE