Chem Alert Report

Manufacturer's Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name **PLAZA (NZ)**

Synonyms JOHNSONDIVERSEY PLAZA.

Uses FLOOR POLISH.

Supplier Name JOHNSONDIVERSEY (NZ) LTD
Address 3 Diversey Lane, Papatoetoe Auckland, NEW ZEALAND
Telephone +64 9 278 2119
Fax +64 9 278 4286
Emergency + 0800 243 622

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA IN THE HS (MIN DEG OF HAZ) REGS 2001
NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO NZS 5433

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
POLYETHYLENE WAX		<10%	Not Available
LEVELLING AGENT		<10%	Not Available
AMMONIUM HYDROXIDE	NH4-OH	0.2%	1336-21-6
WATER	H2O	>60%	7732-18-5
ACRYLIC POLYMER		10 - 30%	Not Available
PLASTICISER		<10%	Not Available
COALESCING AGENT		<10%	Not Available

4. FIRST AID MEASURES

Eye Flush gently with running water. Seek medical attention if irritation develops.

Inhalation If exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.

Skin Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.

Ingestion For advice, contact a Poisons Information Centre on 0800 764 766 (0800 POISON) or +643 479 7248 (New Zealand) or a doctor.

Advice To Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability Non flammable. No fire or explosion hazard exists. When heated above 100 C and water content is removed resin will burn evolving carbon/nitrogen oxides, hydrocarbons and ammonia.

Fire and Explosion Non flammable. Evacuate area and contact emergency services. Toxic gases (hydrocarbons, carbon/ nitrogen oxides, ammonia) may be evolved. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Extinguishing Non flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.

Colour Rating GREEN

5. FIRE FIGHTING MEASURES cont.

Hazchem Code

None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage If spilt (bulk), wear splash-proof goggles, PVC/rubber gloves, a Type AK (Organic vapour, Ammonia) respirator (in poorly ventilated areas) and coveralls. Ventilate and clear area of all unprotected personnel. Absorb spill with sand or similar, collect and place in sealable containers for disposal.

7. HANDLING AND STORAGE

Handling Use safe work practices to avoid eye or skin contact and inhalation. Observe good personal hygiene. Prohibit eating, drinking and smoking in contaminated areas. Wash hands before eating. Remove contaminated clothing and protective equipment before entering eating areas.

Storage Store in cool, dry, well ventilated area, removed from oxidising agents, acids and foodstuffs. Ensure product is adequately labelled, protected from physical damage and sealed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical extraction ventilation is recommended.

Exposure Standards

AMMONIUM HYDROXIDE (1336-21-6)
ES-TWA : 25 ppm (18 mg/m3) as Ammonia
ES-STEL : 35 ppm (27 mg/m3) as Ammonia

PPE Wear PVC or rubber gloves and splash-proof goggles. When using large quantities or where heavy contamination is likely, wear coveralls. Where an inhalation risk exists, wear a Type AK (Organic vapour and Ammonia) Respirator. If spraying, wear a Type AK-Class P1 (Organic vapour, Ammonia and Particulate) Respirator. If sanding dry product, wear a Class P1 (Particulate) Respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: MILKY WHITE LIQUID
Odour: CHARACTERISTIC ODOUR
pH: 8.3 - 8.8
Vapour Pressure: 17.5 mm Hg @ 20 C
Vapour Density: NOT AVAILABLE
Boiling Point: 100 C
Melting Point: < 0 C
Evaporation Rate: AS FOR WATER
Solubility (water): DISPERSIBLE
Specific Gravity: 1.03
% Volatiles: > 60 % (Water)
Flammability: NON FLAMMABLE
Flash Point: NOT RELEVANT
Upper Explosion Limit: NOT RELEVANT
Lower Explosion Limit: NOT RELEVANT
Autoignition Temperature: NOT AVAILABLE

Colour Rating GREEN

10. STABILITY AND REACTIVITY

Reactivity Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid).

Decomposition Products May evolve toxic gases if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary Low toxicity - irritant. Use safe work practices to avoid eye or skin contact & vapour inhalation. Due to the low vapour pressure of this product an inhalation hazard is not anticipated. Ammonia is present in very low concentrations and therefore adverse health effects associated with this chemical are not anticipated.

Eye Low to moderate irritant. Exposure may result in irritation, pain and redness.

Inhalation Low irritant. Over exposure may result in mucous membrane irritation of the nose and throat with coughing.

Skin Low irritant. Prolonged and repeated contact may result in irritation, skin rash and dermatitis.

Ingestion Low toxicity. With large doses ingestion may result in nausea, vomiting and gastrointestinal irritation.

Toxicity Data

POLYETHYLENE WAX (Not Available)
LD50 (Ingestion) : > 5.8g/kg (rat)

AMMONIUM HYDROXIDE (1336-21-6)
LD50 (Ingestion) : 350 mg/kg (rat)

12. ECOLOGICAL INFORMATION

Environment Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

Transport Not classified as a Dangerous Good according to the New Zealand Land Transport Rule: Dangerous Goods 1999.

UN Number None Allocated
DG Class None Allocated
Subsidiary Risk(s) None Allocated
Packing Group None Allocated
Hazchem Code None Allocated

15. REGULATORY INFORMATION

Poison

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15. REGULATORY INFORMATION cont.

Schedule

A poison schedule number has not been allocated to this product using the criteria in The Toxic Substances Regulations 1983.

16. OTHER INFORMATION

Additional Information

ACRYLIC - WATER BASED COMPOUNDS: It should be noted that most water based paints and acrylic or thermoplastic resins may contain small percentage of solvents, usually less than 5%. The solvent is used as a dispersion agent for the resin of choice. This solvent component may present potential respiratory hazards only in poorly ventilated areas or when sprayed. Those individuals with existing skin disorders should avoid direct contact.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

ABBREVIATIONS:
mg/m3 - Milligrams per cubic metre
ppm - Parts Per Million
TWA/ES - Time Weighted Average or Exposure Standard.
pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.
M - moles per litre, a unit of concentration.
IARC - International Agency for Research on Cancer.
PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made. Information provided by Risk Management Technologies is summarised for ease of use. Additional technical information is available by calling +61 8 9322 1711.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.
COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

Report Reviewed 18th January 2005

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Report Status Chem Alert reports are compiled as an independent source of information by RMT's scientific department, based on the latest chemical and toxicological research and, where appropriate, in compliance with relevant standards, guidance notes and legislation. Where available the manufacturer's original MSDS is also provided to Chem Alert subscribers as a scanned image for their convenience. In many instances Chem Alert reports are compiled on behalf of manufacturers in which case they serve as the "Manufacturer's MSDS" and are clearly identifed as such on the relevant reports.

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16. OTHER INFORMATION cont.

Prepared By

Risk Management Technologies
5 Ventnor Avenue, West Perth
Western Australia 6005
Phone: +61 8 9322 1711
Fax: +61 8 9322 1794
Web: www.rmt.com.au

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