

H2K PART A HYBRID PAVEMENT MARKING MATERIAL

1. PRODUCT AND COMPANY IDENTIFICATION

Product: H2K PART A Hybrid Pavement Marking Material
This SDS covers the entire colour range of the H2K Hybrid Pavement Marking Material Part A

Distributed by:
Rayolite Pty Ltd
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2. HAZARDS IDENTIFICATION

Not classified as hazardous according to the criteria of NOSSC.
Poison Schedule:

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS NUMBER	PROPORTION (By Vol)
Acrylic polymer	Commercially confidential Not classified as hazardous*	10-30%
Calcium carbonate	1317-65-3	10-40%
Pigments	Not classified as hazardous	1-5%
Ethanol (denatured)	64-17-5	1-5%
Texanol	25265-77-4	1-5%
Ammonia	7664-41-7	0-1%
Other additives	Not known to be hazardous	< 1%
Water	7732-18-5	(to 100%) 30-60%

4. FIRST AID MEASURES

Inhalation: Move patient to fresh air, keep warm and at rest. Administer artificial respiration if patient stops breathing and seek immediate medical attention.

Skin Contact: Remove contaminated clothing including shoes and laundry before reusing. Wash affected area with soap and water. Consult a doctor if irritation or rash develops.

Eye Contact: Remove contaminated clothing including shoes and laundry before reusing. Wash affected area with soap and water. Consult a doctor if irritation or rash develops.

Ingestion: Give 2 glasses of water to drink, if the patient is conscious. DO NOT INDUCE VOMITING. Seek immediate medical attention. Contact a doctor or poisons information center. If vomiting, place patient's face downwards and below hip level so that vomit does not enter the lungs.

Injection injury: Injection into the body when using airless spray equipment is a serious traumatic injury. IT IS IMPORTANT TO TREAT THE INJURY SURGICALLY AS SOON AS POSSIBLE. Do not delay treatment to research toxicity. The seriousness of the wound depends on exactly where the injury is located on the body. Whether the substance hit something on way in and deflected causing more damage and many more variables including skin micro flora residing in the paint or gun which are blasted into the wound. The injected paint contains acrylic latex which can result in rapid bacterial growth. For hand injection injuries doctors recommend immediate decompression of the closed vascular compartments of the hand to release the underlying tissue distended by the injected paint. Judicious wound debridement and immediate antibiotic treatment is necessary.

Notes to physician: Treat symptomatically

5. FIRE FIGHTING MEASURES

Hazchem code: None applicable

Suitable extinguishing media: if material is in a fire use water fog (or if available fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Non-combustible material.

Firefighting further advice: Not combustible, however following evaporation of aqueous component residual material can burn if ignited,

Suitable extinguishing media: Use extinguishing media suitable for surrounding fire.

Thermal decomposition: The water content of this product renders it nonflammable in its liquid state. However on evaporation of the water the film or solid left will burn if involved in a fire. Thermal decomposition may yield acrylic monomers.

Specific PPE for fire fighters: Wear self-contained breathing apparatus and protective suits.

6. ACCIDENTAL RELEASE MEASURES

Small spills

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). .

Large spills

Shut off the source of the spill. Keep people away from spill area. Avoid inhalation. Slippery when spilt. Avoid accidents, clean up immediately. Use PPE when containing and clean up the spill.. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert materials). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

Emergency procedures: Shut off the source of the spill. Keep people away from spill area. Avoid inhalation. Use PPE when containing and clean up the spill.

Containment: Dam the spill with inert material and prevent the spill from causing any environmental damage or entering the water drainage system.

Clean up: Collect the spilt material and dispose of in accordance local waste management authority regulations.

7. HANDLING AND STORAGE

Handling: Avoid all contact with eyes, skin and clothing. Wash thoroughly after handling. Keep containers tightly closed. Do not breathe vapours or mist during application.

Storage: Store in a cool shaded area. Keep from freezing. Stir well before use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: there is no assigned value for this specific material by the National Occupational Health and Safety Commission. Exposure standards are set for particular ingredients contained in the paint and are listed below.

Chemical	CAS Number	TWA	STEL
Ammonia	7664-41-7	25ppm	35ppm
Ethanol	64-17-5	1000ppm	-

Exposure controls: Use in a well ventilated area and keep containers closed when not in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Opaque coloured viscous liquid.
Odour:	Slight ammoniacal odour.
Density:	1.70..1.80
pH:	9.5 – 11.0
Vapour pressure:	19 mm Hg (water)
Vapour density:	<1.0 (water)
Boiling point:	100 °C (water)
Freezing point:	0 °C (water)
Solubility:	Soluble in water
Flammability:	Non Flammable
Decomposition temperature:	Unknown

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under typical conditions
Conditions to avoid:	Avoid high and low temperatures
Incompatible materials:	None known
Hazard decomposition products:	May yield acrylic monomers on decomposition
Hazardous reactions:	Will not undergo polymerization

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

Inhalation: Inhalation of vapour above the recommended exposure levels may cause headache, nausea or irritation of the nose, throat and lungs.

Skin contact: May cause mild irritation.

Eye contact: May cause mild to moderate irritation.

Ingestion: Material is harmful if swallowed

12. ECOLOGICAL INFORMATION

There is no specific data available on this product.

13. DISPOSAL CONSIDERATION

It is the responsibility of the waste generator to classify, transport and dispose of waste under the applicable state and local regulations.

14. TRANSPORT INFORMATION

Classification for Road and Rail Transport: Not Dangerous Goods.

Classification for Sea Transport: Not Dangerous Goods.

Classification for Air Transport: Not Dangerous Goods.

HazChem Code: None allocated

15. REGULATORY INFORMATION

Australian Industrial Chemical (Notification and Assessment) Act (AUSTR). All ingredients are listed in the Australian Inventory of Chemical Substances AICS.

16. OTHER INFORMATION

This product is formulated for application on pavement surfaces out of doors.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not considered a warranty or specification. The information only relates to the specific material designated and may not be valid or such material used in combination with any other materials or in any process, unless specified in the text.

Disclaimer: This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. Rayolite Aust Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must prior to usage, review this SDS in the context of how the user intends to handle and use the product.

If this Safety Data Sheet is older than two years please enquire if revisions have been made.

END OF SDS