



Permacolour
By New Zealand Decorative Concrete
Material Safety Data Sheet

Issue: June 2017

<p>PRODUCT: Repell SS</p> <p>Other Names: Dearomatised hydrocarbon</p> <p>Uses: Industrial chemical</p>	<p align="center">UN No. 3295</p> <p align="center">Dangerous Goods Class: 3</p> <p align="center">Subsidiary Risk: -</p> <p align="center">Packing Group: III</p> <p align="center">HAZCHEM: 3 [Y]</p>
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Hazardous Nature:	This product is classified as hazardous under HSNO criteria
Exposure Standards:	TEL (air): not available; TWA: 1200 mg/m ³ (197 ppm) STEL : Not available
Environmental Standards:	EEL (air) : Not available

Physical Characteristics (Typical) Section 9 of SDS

Appearance	Clear, colourless liquid
Boiling Point/Range (°C)	147-199
Flash Point (°C)	40°
Specific gravity/Density (g/ml @ 15°C)	0.771
Chemical Stability	Stable at room temperature and pressure
Reactivity	Oxidising agents, mineral acids, halogenated organic compounds

Product Ingredients Section 3 of SDS

Naphtha (Petroleum), hydrotreated light	64742-48-9	100
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Hazardous Statements Section 2 of SDS

<p>H226 Flammable liquid and vapour H306 May be harmful if swallowed and enters airways.</p>	<p>H316 Causes mild skin irritation H413 May cause long lasting harmful effects to aquatic life.</p>
Dangerous Goods	Products that are classified as Dangerous for Storage and Transport: these products are allocated a UN No., with accompanying Class, Pack Group, and Sub. Risk, if required. Products that do not have a specific description under the code, but have low flash points, or such, must be classified under their most significant risk, e.g. Flammable Goods N.O.S. (Not otherwise specified), UN 1993
Hazardous Substance	Products are considered to be Hazardous if they pose an intrinsic risk to human or environmental health, such as mutagens (able to change DNA), teratogens (able to result in birth defects), carcinogens (able to generate cell abnormalities), etc.
HSNO Act	Hazardous Substance and New Organisms Act – limits and manages the transaction of hazardous substances in New Zealand and her territories.

SUMMARY INFORMATION ONLY

1. IDENTIFICATION

Product Name: Repell SS
Other Names: Dearomatised hydrocarbon
Chemical Family: Aliphatic, cycloparaffinic hydrocarbon
Molecular Formula: Not available
Recommended Use: Industrial Chemical
Supplier: Permacolour by New Zealand Decorative Concrete Supplies
Address: PO Box 7022, New Plymouth 4341
Telephone: 06 755 3320
Emergency phone: CHEMCALL: 0800 243 622

2. HAZARDS IDENTIFICATION

Product is classified as hazardous according to Schedules 1 to 6 of the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 of the HSNO Act, 1996.

HSNO Classifications: 3.1C, 6.1E, 6.3B, 9.1D

Signal word: WARNING

Hazard Statements:

H226 Flammable liquid and Vapour
 H306 Harmful if swallowed and enters Airways.

H316 Causes mild skin irritation
 H411 May cause long lasting harmful effects To aquatic life.

Precaution Statements:

P102 Keep out of reach of children
 P233 Keep container tightly closed

 P242 Use non sparking tools
 P240 Ground container and receiving Equipment.
 P273 Avoid release to the environment

P103 Read label before use
 P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
 P241 Use explosion-proof equipment
 P243 Take precautionary measures against static discharge.

3. COMPOSITION: Information on ingredients

Chemical Ingredient	CAS No.	Proportion (%v/v)
Naptha (petroleum), hydrotreated light.	64742-48-9	100

4. FIRST AID MEASURES

For advice, contact National Poison Centre (Phone New Zealand: 0800 764 766) or a doctor.

Swallowed

If swallowed, do not induce vomiting. Obtain medical attention.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and wash skin and hair with soap and water. Launder contaminated clothing before re-use.

Eye Contact

Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Get medical attention if irritation persists.

Inhalation

Move the victim to fresh air immediately. Avoid exposure to yourself and others when providing assistance. Keep person warm and at rest. Seek medical attention if symptoms such as respiratory irritation, dizziness, nausea or unconsciousness develop. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

First Aid facilities

Provide eye baths and safety showers close to areas where splashing may occur.

Medical Attention

Treat according to symptoms. Gastric lavage may be indicated if ingested. Do not wait for symptoms to develop. General measures should be taken to control acidosis and maintain urine output.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable extinguishing media:

Dry chemical or foam. Do not use water jet.

Hazards from combustion products:

Smoke, fume, incomplete combustion products, carbon dioxide and carbon monoxide.

Precautions for fire fighters and special protective equipment:

Full protective clothing and self-contained breathing apparatus

Hazchem Code:

3[Y]

6. ACCIDENTAL RELEASE MEASURES**Emergency Procedures:**

Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and materials for containment**Major Land Spill**

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard.
- Prevent liquid from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimize the effect on the ground water.
- Contain the spilled liquid with sand or earth.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

7. HANDLING AND STORAGE**Precautions for safe handling:**

This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material may accumulate static discharge. Use grounding leads to avoid discharge (electrical spark).

Conditions for safe storage:

Store in a cool, dry place away from direct sunlight. Do not pressurize, cut, heat or weld containers – residual vapours are flammable. This product will fuel fire.

Incompatible materials:

Natural Rubber, butyl rubber, EPDM, polystyrene.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

Health Exposure Standards:

No Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES), 2002 have been set by the Occupational Safety and Health Service, NZ Department of Labour for this substance. However the WES-TWA for white spirits (CAS No 8052-41-3) is 100 ppm; 525 mg/m³. The supplier recommended WES-TWA for the product is 197 ppm; 1200 mg/m³.

Biological limit values:

None established

Engineering Controls:

Ventilation:

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment:

Respiratory Protection:

Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from over-exposure by inhalation. A type "A" filter material is considered suitable for this product.

Eye Protection:

Always use safety glasses or a face shield when handling this product.

Skin/ Body Protection:

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	UNIT OF MEASUREMENT	TYPICAL VALUE
Appearance	-	Clear colourless liquid
Boiling Point/Range	°C	147 - 199
Flash Point	°C	40
Density at 15°C	g/m ³	0.771
Vapour Pressure at 20°C	mm Hg	0.21
Vapour Density at 20°C	kPa	> 1
Autoignition Temperature	°C	>200
Explosive Limits In Air	%	0.6 - 7.0
Viscosity	cSt	Not applicable
Volatiles	%vol/vol	100
Solubility in Water	% w/w	Negligible

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable at room temperature and pressure.

Conditions to avoid:

Sources of heat and ignition, open flames.

Hazardous decomposition products:

No decomposition products except on burning. See "Fire Fighting Measures" and "hazardous Reactions"

Hazardous reactions:

Oxidizing agents, mineral acids, halogenated organic compounds.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

Small amount of liquid aspiration into the lungs during ingestion, or from vomiting, may cause chemical pneumonitis, or pulmonary oedema. Ingesting large amounts of this product will result in headaches, nausea, dizziness and tracheal burning.

Eye Contact

This product may be irritating to eyes but will not permanently damage eye tissue.

Skin Contact

This product is mildly irritating to skin and may result in dryness and cracking of skin.

Inhalation

Inhalation of this product in large quantities will result in moderate discomfort. Vapour concentrations are irritating to nose and throat. Over exposure may be evident through symptoms of dizziness, nausea, headaches and other central nervous system effects.

Chronic Effects

No chronic health data is available for this product.

Other Health Effects Information:

None

Toxicological Information:

None

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity:

Product is identified as may cause long lasting effects to aquatic life.

Persistence/degradability:

Readily biodegradable. Oxidizes rapidly by photochemical reactions in air.

Mobility:

This product is highly volatile and will rapidly evaporate to the air if released into water.

Other information:

None

Environmental Exposure Standards:

EEL (water) Not set

EEL (soil) Not set

Eel (sediments) Not set

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that are Flammable. Ensure that empty packaging is allowed to dry.

Special Precautions for Landfill or Incineration:

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product is ash less and can be burned directly in appropriate equipment. In the absence of designated industrial incinerator, this product should be treated and disposed of through a chemical waste treatment facility, or considered for use in solvent recycling.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	3295	UN No.	3295	UN No.	3295
Proper Shipping Name	Hydrocarbons, liquid, N.O.S	Proper Shipping Name	Hydrocarbons, liquid, N.O.S	Proper Shipping Name	Hydrocarbons, liquid, N.O.S
DG Class	3	DG Class	3	DG Class	3
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Pack Group	III	Pack Group	III	Pack Group	III
Hazchem	3[Y]	Hazchem	3[Y]		

Dangerous Goods Segregation

This product is classified as a Dangerous Good Class 3, Packing Group III.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:1999

Transport of Dangerous Goods on Land for information.

Permacolour Repell SS

Safety Data Sheet

15. REGULATORY INFORMATION

Country/ Region: New Zealand

Inventory: NZCIL

Status: Listed

ERMA New Zealand Approval Code:

HSR002650; Solvents (Flammable) Group Standard 2006

HSNO Controls: Codes: F1 – F3, F5, F6, F11, F12, F14, F16, T1, T2, T4, T7, E1, E6, P1, P3, P5, P13, P15, PG3, D2, D4 – D8, EM1, EM6 – EM13, I1, I3, I5, I8, I9, I11, I13, I16, I19, I21, I12, I25, I28, I29, I30, GN35A.

Refer: www.ermanz.govt.nz for information on Controls.

16. OTHER INFORMATION

Reasons for Issue:

Updating HSNO information.

Abbreviations:

NZCI: New Zealand Chemical Inventory

CAS Number: Chemical Abstracts Number

IARC: International Agency for Research on cancer.

NOHSC: National Occupational Health and Safety Council.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Permacolour by New Zealand Decorative Concrete.