**HiChem Paint Technologies Pty.Ltd.**
A.B.N. 95 064 139 563
73 Hallam South Road, HALLAM, VICTORIA 3803.
Telephone : {03} 9796 3400 Facsimile : {03} 9796 4500
Email:msdsinfo@hichem.com.au www:hichem.com.au

# HAZARD IDENTIFICATION

The product is classified as both **Dangerous Goods** and **Hazardous Substance** in accordance to SAFE WORK AUSTRALIA {HSIS} criteria.

***Risk Phrases R***

| | |
|---|---|
| 10 | Flammable Liquid. |
| 20/21/22 | Harmful by inhalation, in contact with skin and if swallowed. |
| 65/66/67 | Harmful. May cause lung damage if swallowed. Repeated or prolonged exposure may cause skin dryness and cracking Vapours may cause headaches, drowsiness and dizziness. |

***Safety Phrases S***

| | |
|---|---|
| 2 | Keep out of reach of children |
| 7/9 | Keep containers tightly closed when not in use and also in a well ventilated area. |
| 15/16 | Keep away from heat and sources of ignition. |
| 20/21 | When using, do not eat, drink or smoke. |
| 23.3 | Do not breathe the vapours. |
| 24/25 | Avoid skin contact and with the eyes. |
| 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| 27 | Take off immediately all contaminated clothing. |
| 28.1 | In contact with the skin, wash immediately soap and plenty of water. |
| 36/37/38/39 | Wear protective clothing, including enclosed footwear, PVC or Neoprene gloves, organic vapour respirator including eye, hair and face protection, and hearing protection. |
| 45 | In case of accident, or if you feel unwell, seek medical advice immediately. Show the label where possible. |
| 62 | If swallowed, do not induce vomiting: seek medical advice immediately. Show the label where possible. |

| | |
|---|---|
| **ADG Classification** | PAINT RELATED MATERIAL, miscible in water, UN 1263, Class 3, HAZCHEM 3[**Y**], Packing Group III, Initial Emergency Response Guide 15. |
| **SUSDP** | Classified as a Schedule S 5 poison. |

# IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

***Product Name*** BRUSH CLEANER ***Code*** BC
***Product Use*** Use as a brush cleaner for the removal of architectural paint on equipment.

| ***Ingredients*** | ***Name*** | ***CAS Number*** | ***Proportion w/w*** |
|---|---|---|---|
| | Mineral Turpentine | 9005 – 90 – 7 | 60 – 100 % |
| | Nonyl Phenol Ethoxylate | 9016 – 45 – 9 | 10 – <30.0 % |

## FIRST AID MEASURES

| | |
|---|---|
| ***Inhalation*** | If the applicator feels drowsy, dizzy, tired or experiencing headaches, remove the victim away from the contaminated area to the fresh air. Keep the victim warm and quiet until all symptoms subside. If the victim is not breathing, apply artificial respiration immediately away from the contaminated area. |
| ***Ingestion*** | If swallow, and only if the person is conscious, give water to drink. **DO NOT** induced vomiting; seek URGENT medical attention if frothing from the mouth occurs. |
| ***Eyes*** | If splashed into eyes, hold eyelids apart, and flush the eyes continuously with running for at least 15 minutes. Continue flushing until advised by a doctor. |
| ***Skin and Hair*** | If skin and hair contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Continue flushing until advised by a doctor. |
| ***First Aid Facilities*** | Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations. |
| ***Advice to Doctor*** | If poisoning occurs, consult with the Poisons Information Centre {Telephone **13 11 26**}. Have a copy of this material safety data sheet or label available. Treat symptomatically as symptoms may be delayed for several hours after exposure. |


## FIRE FIGHTING MEASURES

| | |
|---|---|
| ***Extinguishing Media and Requirements*** | Carbon Dioxide {$CO_2$}, alcohol resistant foam, dry chemical or water spray. **DO NOT** use water jets. Bund area with sand to prevent run – off entering waterways, sewage and drains. |
| ***Hazardous Decomposition Products*** | On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke, above the boiling point |
| ***Flammability*** | Flammable Liquid. Flash Point = 34 $^{o}$C |
| ***Specific Hazards*** | Vapours may form explosive/air mixtures. |
| ***Precautions in connection with Fire*** | Fire – fighters should wear Chemical Splash Suit with attached Self – Contained Breathing Apparatus and gloves. Evacuate all non fire–fighting personnel away from the area. Turn off all electricity and power supplies. Keep containers cool with water spray or water to prevent rupture or burning. Move away all packages and equipment from the direction of the fire, if safe to do so. Keep upwind. |


## ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| ***Emergency Procedures. Spills and Leaks*** | Contain all spills and leaks. Avoid contamination with spilt material on surfaces or entering waterways, drains and sewage. Remove all sources of ignition and **NO SMOKING**. Wear the recommended full body impervious clothing, gloves and breathing apparatus as per AS– NZ 1715/16. Keep upwind. Absorb all spilt contents onto sand or earth. |
| ***Disposal*** | Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements. |
| ***Other Precautions*** | Ensure there is adequate ventilation at all times during the cleaning up period. |

## HANDLING and STORAGE

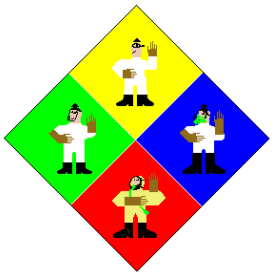
| | |
|---|---|
| ***Precautions for Safe Handling*** | Flammable Liquid. Remove all sources of ignition. Wear the recommended Personal Protective Equipment including organic vapour respirator, eye/face protection, protective clothing, gloves and enclosed footwear. Ensure there is adequate ventilation at all times. After use, before eating, drinking or smoking, wash all exposed skin and hair with soap and water. |
| ***Conditions of Safe Storage*** | Containers must be clearly labelled, rigid and strong. Store upright in a cool, dry, well ventilated area from heat, ignition sources and direct sunlight e.g. Flammable Goods Store as per AS 1940 requirements. |

## EXPOSURE CONTROLS

| | |
|---|---|
| ***Exposure Standards MAK*** | Mineral Turpentine = 480 mg/m$^3$. |
| ***Exposure Standards STEL*** | No data available. |
| ***Biological Limited Values*** | There are no known Biological Limited Values have been assigned. |
| ***Engineering Controls*** | The use of local exhaust ventilation equipment is required. All ventilation equipment must be fitted with flame and explosion proof electrical fittings. |

## PERSONAL PROTECTION

| | |
|---|---|
| ***Inhalation AS –NZS 1715/16*** | The wearing of Organic Vapour Respirator **should** be worn at all times during the handling and application period. |
| ***Eye AS –NZS 1337*** | The wearing of safety glasses fitted with side shields **should** be worn at all times during the handling and application period. Do not wear contact lenses. |
| ***Gloves AS –NZS 2161*** | The wearing of Neoprene or PVC gloves **should** be worn at all times during the handling and application period. |
| ***Footwear AS –NZS 2210*** | The wearing of enclosed footwear **should** be worn at all times during the handling and application period. |
| ***Clothing AS –NZS 2919*** | The wearing of anti–static clothing made on natural or synthetic high temperature fibre **should** be worn at all times during the handling and application period |
| ***Hearing AS –NZS 1270*** | Not required. |
| ***Other Requirements*** | Avoid contact with eyes and skin. Avoid inhaling vapours. |



## PHYSICAL – CHEMICAL PROPERTIES

| | | |
|---|---|---|
| ***Appearance*** | A colourless liquid with a mild odour. | |
| ***pH*** | Not required. | |
| ***Vapour Pressure*** ***(Butyl Acetate = 1)*** | Less than 1 | |
| ***Boiling Point $^oC$*** | No data available | |
| ***Density*** | 0.84 {calculated value} | |
| ***Solubility in water*** | Miscible | |
| ***Flash Point $^oC$*** | 34 $^o$ C (literature value) | |
| ***Flammability Limits*** | Lower Explosive Limit = 1.0 | Upper Explosive Limit = 3.5 |
| ***Auto Ignition $^oC$*** | 250 $^o$ C (literature value) | |
| ***Volatile Components*** | Mineral Turpentine. | |

## STABILITY and REACTIVITY

| | |
|---|---|
| ***Chemical Stability*** | Stable under normal conditions of use. |
| ***Conditions to avoid*** | Avoid contact with heat and all ignition sources. |
| ***Hazardous decomposition products*** | On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke. |
| ***Incompatible materials*** | Incompatible with strong oxidizing agents |
| ***Hazardous Reactions*** | Will not polymerize. |

## TOXICOLOGICAL INFORMATION

| *Health Effects* | *Risk Phrase* | *Mineral Turpentine* |
|---|---|---|
| Inhalation $LC_{50}$ rat | 20 | 20 mgm/L. |
| Dermal $LD_{50}$ rabbit | 21 | 2000 mgm/kg |
| Oral $LD_{50}$ rat | 22 | 2000 mgm/kg |

| | |
|---|---|
| Acute Oral Toxicity rat | Low toxicity. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. |
| Acute Dermal Toxicity rabbit | Low toxicity. |
| Acute Inhalation Toxicity rat | Low toxicity. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death. |

# TOXICOLOGICAL INFORMATION (CONTINUED)

**Health Effects**

| | |
|---|---|
| Inhalation | The inhalation of vapours may cause acute irritation to the respiratory system. Other symptoms may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination, impaired judgement. Vapours may cause headaches, drowsiness and dizziness |
| Ingestion | Large quantities may cause nausea and vomiting. Harmful. May cause lung damage if swallowed. |
| Eyes | May irritate to the eyes, including burning sensation, redness, swelling and/or blurred vision. Also, may cause decreased in colour perception. |
| Skin | May have degreasing effect on the skin may result in contact dermatitis. Repeated or prolonged exposure may cause skin dryness and cracking. |
| Carcinogenic | No evidence of a carcinogenic effect |
| Mutagenic | Not mutagenic in animal studies. |
| Reproductive Toxicity | No data available |

# ECOLOGICAL INFORMATION

| | |
|---|---|
| ***Environment*** | Avoid of entering waterways, sewage and drains. |
| ***Persistence/ Degradability*** | No data available. |
| ***Mobility*** | No data available |
| ***Environment Protection*** | Not Known |

# DISPOSAL CONSIDERATIONS

Collect all residues and placed into labelled and sealed containers. Do not incinerate empty containers after use. Dampen all unwanted cloths and rags in water prior to disposal. Do not recycle contents. Crush all small empty containers. Large containers and drums may be sent to an approved drum recycler. Ensure all contents do not pollute waterways, drains and sewage.

# TRANSPORT INFORMATION

| | | | |
|---|---|---|---|
| ***UN number*** | 1263 | | |
| ***Proper Shipping Name*** | PAINT RELATED MATERIAL, N.O.S., miscible in water. | | |
| ***Class*** | 3 | ***Subsidiary Risk*** | Not Required |
| ***Packing Group*** | III | | |
| ***Emergency Procedures*** | EP 3305 | ***Initial Emergency Response Guide*** | 15 |
| ***HAZCHEM*** | 3[**Y**] | | |
| ***IMDG*** | Not Known | | |

# REGULATORY INFORMATION

| | |
|---|---|
| ***Regulatory Information and Hazard Category*** | The product is classified as a Hazardous Substance in accordance to SAFE WORK AUSTRALIA {HSIS} as Harmful and Irritant. |
| ***SUSDP Classification*** | Classified as a Schedule S 5 Poison. |

# OTHER INFORMATION

| | |
|---|---|
| ***Emergency Contact*** | **Poisons Information Centre 13 11 26** **HiChem Paint Technologies (03) 9796 3400** |
| ***Disclaimer*** | *Data provided is to best of HiChem Paint Technologies Proprietary Limited knowledge and believe to be accurate and reliable as of the date of issued. However no expressed or implied warranties are given. HiChem Paint Technologies Proprietary Limited cannot anticipate or control the conditions under which this information may be used. Therefore, it is user's responsibility to satisfy themselves as to the suitability and completeness of such information for their particular use. It is the responsibility of the user to ensure that the issue is current. This information given is a non-controlled document* |