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HAZARD IDENTIFICATION

The product is classified as both **Dangerous Goods** and **Hazardous Substance** in accordance to Work Safe Australia criteria.

Risk Phrases R

11	Highly Flammable Liquid.
21/22	Harmful in contact with skin and if swallowed.
36/37/38	Irritating to the eyes, respiratory system and skin.
40	Limited evidence of a carcinogenic effect.
48/20	Harmful: Danger of serious damage to health by prolonged exposure through inhalation.
52/53/59	Harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. Dangerous to the ozone layer.
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.
23.5	Do not breathe the vapours or spray mists.
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	PAINT RELATED MATERIAL – THINNERS, immiscible in water, UN 1263,
Classification	HAZCHEM 3[Y]E**,** Packing Group II, Initial Emergency Response Guide 14.Class 3.
SUSDP	Classified as a Schedule S 5 poison.

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

Product Name ACLAC 34 ***Code***

Product Use Use as an automotive thinner for 1 Pack HICHEM Acrylic Topcoats prior to spray application. Also, may be used for cleaning equipment after use.

Ingredients	***Name***	***CAS Number***	***Proportion w/w***
	Toluene	108 – 88 – 3	10 – <30.0 %
	Xylene	1330 – 20 – 7	10 – <30.0 %
	Ethyl Benzene	100 -41 – 4	1.0 – <10.0 %
	Acetone	67 – 64 – 1	10 – <30.0 %
	Aliphatic Alcohols	Mixture	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	Highly Flammable Liquid. Flash Point = <- 20 ^{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

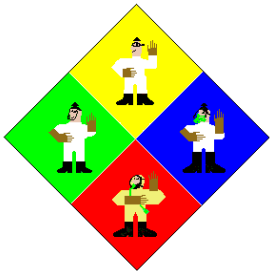
Precautions for Safe Handling	Highly Flammable Liquid. Remove all sources of ignition. Wear the recommended Personal Protective Equipment including organic vapour respirator, eye/face protection, protective clothing, gloves and enclosed footwear. Ensure there is adequate ventilation at all times. After 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	Toluene = 190 mg/m^3.	Acetone = 1200 mg/m^3.
	Xylene = 350 mg/m^3.	Ethyl Benzene = 440 mg/m^3.
Exposure Standards STEL	Xylene = 655 mg/m^3.	Toluene = 565 mg/m^3.
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 and spray mists.



PHYSICAL – CHEMICAL PROPERTIES

Appearance	A colourless liquid with a strong odour.
pH	Not required.
Vapour Pressure ***(Butyl Acetate = 1)***	Greater than 1
Boiling Point ^{o}C	56 – 156 ^{o}C (literature value)
Density	0.84{calculated value}
Solubility in water	Immiscible
Flash Point ^{o}C	< - 20 ^{o}C (literature value)
Flammability Limits	Lower Explosive Limit = 1.0 Upper Explosive Limit = 15.0
Auto Ignition ^{o}C	340 ^{o}C (literature value)
Volatile Components	Liquid hydrocarbons, esters, alcohols and ketones.

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*	*Xylene*	*Acetone*	*Ethyl Benzene*	*Toluene*
Inhalation LC_{50} rat	20	20 mg/L.	>20 mg/L.	20 mg/L	
Dermal LD_{50} rabbit	21	4500 mgm/kg	20000 mgm/kg	2000 mgm/kg	12100 mgm/kg
Oral LD_{50} rat	22	4300 mgm/kg	5800 mgm/kg	2000 mgm/kg	640 mgm/kg

Acute Oral Toxicity rat	Moderate 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	Limited evidence of a carcinogenic effect
Mutagenic	Not mutagenic in animal studies.
Reproductive Toxicity	No data available

ECOLOGICAL INFORMATION

Environment	Harmful to aquatic organisms (R 52) May cause long – term adverse effects in the aquatic environment (R 53). Dangerous to the ozone layer (R 59).
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 –THINNERS, N.O.S., immiscible in water.		
Class	3	***Subsidiary Risk***	Not Required
Packing Group	II		
Emergency Procedures	EP 3300	***Initial Emergency Response Guide***	14
HAZCHEM	3[Y]E		
IMDG	Not Known		

REGULATORY INFORMATION

Regulatory Information and Hazard Category	The product is classified as a Hazardous Substance in accordance to Work Safe Australia 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**
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