



Hall's
MANUFACTURING

Hall's Lacquer Thinners

Safety Data Sheet

1. Product Name: SW100 LACQUER THINNERS
 Product Use: Lacquer Thinners
 UN Number: 1268
 Company: Hall's Co SA (Pty) Ltd
 Address: 176 Victoria Road
 CBD
 Pietermaritzburg, 3201
 Telephone: 033 394 3976
 Email address: sales@hallsretail.com
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2. Hazards Identification

Emergency response data: Colourless liquid, highly flammable. Vapour accumulation could flash and/or explode if in contact with any ignition sources. DOT ERG. No 128

GHS Classification Health		
Acute inhalation toxicity	Hazard category 3. Toxic if inhaled	Danger
Acute oral toxicity	Hazard category 4. Harmful if swallowed	Warning
Skin irritation	Hazard category 3. Causes mild skin irritation	Warning
Eye irritation	Hazard category 2A. Causes serious eye irritation	Warning
STOT – single exposure	Hazard category 3. Central nervous system depressant leading to narcotic effects	
Aspiration Hazard	Hazard category 1. May cause chemical pneumonitis	Danger
Environmental		
Aquatic toxicity:	Hazard category 2. Very toxic to fish, aquatic organisms and wildlife	Warning
Physical Flammability:	Hazard category 2. Highly flammable liquid and vapour	Danger

Hazard Statements: Highly flammable liquid and vapour. Causes skin and severe eye irritation. May be fatal if swallowed and enters airways. Toxic if inhaled.

Precautionary Statements In case of fire: use carbon dioxide, foam or dry chemicals for extinction. If in eyes, please rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. If on skin, if irritation occurs, get medical attention. If Inhaled, remove to fresh air and keep at rest in a position comfortable for breath.

Storage Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Use only non-sparking tools. Use explosion proof electrical, ventilating and transfer equipment. Store in a well ventilated place and keep the container cool and tightly closed.

Disposal Do not discharge into lakes, streams, ponds and ground water supply.

3. Composition/Information on Ingredients

Toluene	108-88-3	15.00-30.00
Xylene	1330-20-7	15.00-30.00
Light aliphatic Petroleum solvent	64742-89-8	15.00-20.00
Alcohol Blends	(C1-C4)	15.00-20.00
Acetone	67-64-1	15.00-20.00
2-Butoxyethanol	111-76-2	4.00-7.00
n-Hexane	110-54-3	1.00-5.00
Benzene	71-43-2	Less than 0.10

4. First Aid Measures

Inhalation: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with mechanical device or use mouth-to-mouth resuscitation with a mouthpiece.

Skin contact: Remove contaminated clothing. Dry wipe exposed skin and cleanse with hand cleaner, soap and water. Launder contaminated clothing before reuse (See section 16 – injection injury)

Eye contact: Flush thoroughly with water for at least 15 minutes. Get medical assistance.

Ingestion: Seek immediate medical attention. Do not induce vomiting.

Note to Doctors: Material if aspirated into the lungs may cause chemical pneumonitis. Skin contact may aggravate an existing dermatitis. Treat appropriately.

5. Fire Fighting Measures

Extinguishing media: Carbon dioxide, foam, dry chemical and water fog.

Special fire-fighting procedure: Water spray should only be used to keep fire-exposed containers cool. Flush spills away from the exposure, disperse vapours and protect personnel attempting to stop leak. Prevent runoff from the fire control or dilution from entering streams, municipal sewers, or drinking water supply.

Special protective equipment for firefighters: For fires in enclosed areas, fire fighters must-use-self contained breathing apparatus.

Unusual fire and explosive hazards: Highly flammable. Vapour accumulation could flash or explode if in contact with an open flame.

Products of decomposition: Fumes, smoke and carbon monoxide.

Flash Point: Less than 0 deg Celsius

Upper Explosion Limit (UEL) 7.0 %(V)

6. Accidental Release Measure

Procedure if material is spilled or released:

Methods for cleaning up: Absorb on the fire retardant treated sawdust, diatomaceous earth, etc. Shovel up with spark-resistant utensils for later disposal at an approved facility, in accordance with current laws and regulations.

Small spills: Eliminate all ignition sources. Remove leaking containers to detached area.

Large spills: Self-contained breathing apparatus must be worn during cleanup. Eliminate all sources of ignition. Shut off source, seal the leak taking normal safety precautions. Contain material and pump back to holding tank for later disposal. Transfer equipment should be explosion proof.

Personal precautions: See section 8

Environmental precautions: Prevent spill from entering municipal sewers, water sources or low-lying areas. Advise the relevant authorities if contaminations have occurred.

7. Handling and Storage

Safe handling advice: Avoid contact with eyes. Avoid prolonged repeated skin contact. Avoid inhalation of vapours or mists. Use in a well-ventilated area away from all ignition sources. Avoid sparking conditions. Ground and bond all transfer equipment.

Storage information: This product is a static accumulator, therefore, all storage containers should be grounded and bonded. Drums should also be equipped with self-closing valves, pressure vacuum bungs and flame arresters. Outside or detached storage area, with an automatic sprinkling system, is preferred. Store away from all ignition sources in a cool, well ventilated area.

Storage and handling procedures: To minimize the risk of fire or explosion from discharges, static and/or vapour accumulation, effectively bond and ground product storage and transfer system.

8. Personal Protective Equipment (PPE)

Engineering controls: Use in well ventilated area. Explosive proof ventilation equipment with local exhaust is desirable.

Respiratory protection: Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the recommended exposure limit. Self-contained breathing apparatus may be required for the use in confined or enclosed spaces. Respirator with a vapour filter (EN 141) is recommended.

Eye protection: If splash with liquid is possible, chemical type goggles should be worn. Skin and body protection, impervious gloves must be worn. Good personal hygiene practices should always be followed

Suitable gloves: Material butyl-rubber. Break through time: 4 hours. Material Thickness: 0.5 mm. Unsuitable gloves: Material polyvinylchloride, leather, nitrile rubber/latex, natural rubber/latex.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Colourless
Odour	Characteristic
Solubility	Appreciable
Flash Point	< 0 degrees C
Upper explosion limit (UEL)	7.1% (V)
Lower explosion limit (LEL)	1.2% (V)
Vapour pressure	<20 hPa
Density	0.8130 g/cm ³ @ 20 deg C (ASTM D-4052)
Viscosity, kinematic	< 1 mm ² /s @ 40 deg C (ASTM D 445)

9. STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid	Heat, sparks, flame and buildup of static electricity
Materials to avoid	Strong oxidizers. Hazardous decomposition products, fumes, smoke and carbon monoxide

10. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Rats) Harmful (LD50). Greater than 300 but 2000 mg/kg. Based on testing of similar products and/or the components. Warning.

Hazard category 4.

Harmful if swallowed.

Acute dermal toxicity: (Rabbits) practically non-toxic (LD50 greater than 2000 mg/kg. Based on testing of similar products and/or the components. Warning.

Hazard category 5:

May be harmful in contact with skin

Acute inhalation toxicity: (Rats) Toxic (LD50 greater than 2 but 10 mg/l or less) 4 hours. Based on testing of products and/or components. Danger hazard category 3. Toxic if inhaled.

Skin irritation: (Rabbits) irritant. (Primary irritation index: greater than 3 but less than 4). Based on testing of similar products and/or the components.

Warning Hazard category 3: Causes mild skin irritation

Eye irritation: (Rabbits), irritant. (Draize score: greater than 15 but less than 35). Based on testing of similar products and/or the components. Warning.

Hazard category 2A: causes serious eye irritation

Respiratory and skin sensitization: This product was not a skin sensitizer when tested in a modified bushier guinea pig sensitization. Assay.

Germ cell mutagenicity: this product tested negative in a series of mutagenic tests.

Carcinogenicity:	no carcinogenic effects were observed when this product was applied to the skin for two years.
Reproductive toxicity (Teratogenicity):	negative in a series of genetic assays and teratological studies. Specific target organ toxicity.
(STOT) single exposure:	Irritation in the respiratory tract. At levels above 200 ppm, headache, dizziness, nausea, loss of coordination and/or consciousness. Central nervous system depression may result at levels approaching 10,000 ppm. Warning hazard category 3. Narcotic effect. Specific target organ toxicity.
(STOT) repeated exposure:	prolonged repeated contact may cause possible skin irritation and dermatitis.
Aspiration Hazard:	Material if aspirated into the lungs may cause chemical pneumonitis. Danger hazard category.

11. ECOLOGICAL INFORMATION – ECOTOXICITY EFFECTS

Toxicity to fish	Salmon. LC/EC50: 8.1 mg/l at 96 hours. Warning hazard category 2.
Toxicity to aquatic organisms	Daphnia magna: LC/EC50: 6 mg/l at 48 hours Green Algae: LC/EC50: 9.4 mg/l at 8 hours

12. DISPOSAL CONSIDERATIONS

Waste disposal	Dispose of waste at an appropriate disposal facility in accordance with current applicable laws and regulations
Contaminated packaging	Empty containers, retain residue (liquid and/or vapour) and can be dangerous. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME SPARKS, STATIC ELECTREICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY AND DEATH

ELIMINATION INFORMATION (PERSISTENCE AND DEGRADABILITY)

Biodegradability	Readily biodegradable
Mobility	Water solubility 500 mg/l @ 20 deg C
Bioaccumulation	Bioconcentration factor (BCF) < 100

SW100 Lacquer Thinners:	Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with government regulations.
Other regulations:	Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity, or toxicity as determined by the toxicity Characteristic Leaching Procedure (TCLP)
Flash Point:	< 0 deg C.

13. TRANSPORT INFORMATION-ADR

Proper shipping name	Flammable liquids n.o.s. (contains toluene and Xylene)
UN Number	1268
Class	3
Letter	F
Packing Group	11
Labelling number:	3
Product Reportable Quantity	1,500 kg

REGULATORY INFORMATION

Government inventory	All components comply with TSCA, EINECS/ELINCS, AICS, METI, DSL
Status	KECI, ENCS, PICCS and IECSC
EU Labelling	Product is dangerous as defined by the European Union Dangerous substances/ Preparations Directives
Symbols	F, Xn, N.
SW100 Lacquer Thinners	Highly flammable, harmful, dangerous for the environment 7R-Phrase(s): R11, R36/37/38, R52/53/ R67. Highly flammable, irritating to eyes, respiratory system and skin. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness. S-Phrase(s): S2, 516, 529, 536/37/39. Keep out of the reach of children. Keep away from sources of ignition. No smoking. Do not empty into drains. Wear suitable protective clothing, gloves and eye/face protection.

SARA

U.S. Superfund This product contains no "EXTREMELY HAZARDOUS SUBSANCES"

Amendments and Reauthorization Act SARA SARA (311/312) Reportable

Title 111 – Hazard categories Fire Chronic Acute

SARA (313) Toxic Release Ethyl Benzene (100-41-4) – Conc < 1%

Chemicals:

The following product ingredients are cited on the lists below:

Chemical name CAS-No Concentration (%) list citations

Toluene 108-88-3 2-.00 – 30.00 1,10,17,18,19,20,21,22,23,24,25,26

Xylene 1330-20-7 15.00 – 20.00 1,10, 18, 19,20,21,23,25

Light Aliphatic Petroleum Solvent 64742-89-5 15.00-20.00 18, 19, 20, 21, 23, 25

Alcohol Blends (C1-C4) 15.00 – 20.00 1,10, 18, 19, 20, 21, 23, 25

Acetone 67-64-1 15.00 – 20.00 1,10, 18, 19, 20, 21, 23, 25, 26

2-Butoxyethanol 111-76-2 4.00 – 7.00 1, 10, 18, 19, 20, 21, 23, 25, 26

n-Hexane 110-54-3 1.00 – 5.00 1,10, 18, 19

Benzene 71-43-2 < 0.10 1,2,4,6,9,10,16,17,18,19,20,21,22,23,24,25,26

Regulatory List Searched

1= ACGIH ALL 6 = IARC 1 11 = TSCA 4 17 = CA P65 22 = M1 293

2= ACGIH A1 7 = IARC 2A 12 = TSCA 5a2 18 = CA RTK 23 = MN RTK

3= ACGIH A2 8 = IARC 2B 13 = TSCA 53 19 = FL RTK 24 = NJ RTK

4= NTP CARC 9 = OSHA CARC 14 = TSCA 6 20 = IL RTK 25 = PA RTK

5= NTP SUS 10 = OSHA Z 15 = TSCA 12B 21 = LA RTK 26 = Ri RTK

14. OTHER INFORMATION

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a doctor as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Disclaimer

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