MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: MASTERS AQS, Vinyl Shower Pan Liner Cement
Product Use: Solvent Cement for Vinyl Shower Pan Liner

Supplier name and address:

G.F. THOMPSON CO. LTD.
620 Steven Court, Unit 11
Newmarket, Ontario
L3Y 6Z2

Manufacturer name and address:

Refer to supplier

Emergency Tel:
Mon – Fri, 7:30 am to 5:00 pm EST
905-898-2557
800-499-3673 (toll free)
24 hr Emergency Tel:
905-252-4793

WHMIS Classification: CLASS B, DIVISION 2
CLASS D, DIVISION 2B

SECTION II – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS#	% by Wgt	ACGIH-TLV	ACGIH-STEL	OSHA-PEL	OSHA-STEL
Tetrahydrofuran (THF)	109-99-9	3 – 8	50ppm	100 ppm	200ppm	
Methyl Ethyl Ketone (MEK)	78-93-3	76 – 87	200ppm	300ppm	200ppm	

SECTION III – PHYSICAL and CHEMICAL PROPERTIES

Physical State: Clear, medium syrupy liquid
Odour: Ketone
Odour Threshold: 1 ppm (MEK)
pH: Not Applicable
Melting/Freezing Point: -108°C (-1162° F) Based on first melting component: THF
Boiling Range: 66ºC (151° F) to 80°C (176°F)
Boiling Point: 66°C (151°F) Based on first boiling component: THF
Evaporation rate: >1.0 (BUAC = 1)
Flash Point: -20°C (4°F) TCC based on THF
Flammability: Category 2
Flammability Limits: **LEL:** 2.0 based on THF
UEL: 11.8 based on THF

SECTION III – cont'd

Specific gravity:	0.848@ 23°C (73°F)
Solubility:	Solvent portion soluble in water. Resin portion separates out.
Vapour Pressure:	160 mm Hg @ 20°C (68°F) THF
Auto-Ignition Temperature:	321°C (609.8°F) based on THF
Vapour Density:	>2.0 (Air =1)
Decomposition Temperature:	Not Applicable
Viscosity:	Medium bodied
VOC Content:	When applied as directed, SCAQMD Rule 1168, Test Method 316A, VOC content is ≤ 600g/l

SECTION IV – FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Dry Chemical powder, carbon dioxide gas, foam Halon, water fog
Unsuitable Extinguishing Media:	Water spray or stream
Exposure Hazards:	Inhalation and dermal contact
Combustion Products:	Oxides of carbon, hydrogen chloride and smoke
Protection for Firefighters:	Self-contained breathing apparatus or full-face positive pressure airline masks.

SECTION V – STABILITY AND REACTIVITY

Stability:	Stable.
Incompatible materials:	Oxidizers, strong acids and bases, amines, ammonia
Hazardous decomposition products:	None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
Conditions to avoid:	Keep away from heat, sparks, open flame and other ignition sources.

SECTION VI – TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Eye and Skin contact

Acute Symptoms and effects:

Inhalation: Severe overexposure may result in, nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.

Eye Contact: Vapours slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.

Skin Contact: Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.

Ingestion: May cause nausea, vomiting, diarrhoea and mental sluggishness

Chronic (long-term) effects: None known to humans

Toxicity:	LD_{50}	LC_{50}
Tetrahydrofuran	Oral: 2842 mg/kg (rat)	Inhalation 3 hrs, 21,000 mg/m³ (rat)
Methyl Ethyl Ketone	Oral: 2737 mg/kg (rat) Dermal: 6480 mg/kg (rabbit)	Inhalation 8 hrs 23,500 mg/m³ (rat)

SECTION VII– FIRST AID MEASURES

Contact with eyes: Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.

Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice.

Inhalation: Remove to fresh air. If breathing is stopped, give artificial respiration, If breathing is difficult, give oxygen. Seek medical advice.

Ingestion: Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

SECTION VIII – ACCIDENTAL RELEASE

Personal Precautions: Keep away from heat, sparks and open flame
Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment. Prevent contact with skin.

Environmental Precautions: Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.

Methods for Cleaning up: Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.

Materials not to be used for clean up: Aluminum or plastic containers.

SECTION IX – HANDLING AND STORAGE

Handling: Avoid breathing of vapour, avoid contact with eyes, skin and clothing.
Keep away from ignition sources, use only electrically grounded equipment and ensure adequate ventilation / fume exhaust hoods.
Do not eat, drink or smoke while handling.

Storage: Store in ventilated room or shade below 27°C (80°F) and away from direct sunlight.
Keep away from ignition sources and incompatible materials, caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates. Follow all precautionary information on container label, product bulletins and solvent cementing literature.

SECTION X – PERSONAL PROTECTION

Personal Protective Equipment (PPE):

Eye Protection: Avoid contact with eyes, wear splash-proof chemical goggles, face shield, safety glassed (spectacles) with brow guards and side shields etc as may be appropriate for the exposure.

Skin Protection: Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion. Use of solvent-resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.

Respiratory Protection: Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminated below levels listed above. With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.

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SECTION XI – TRANSPORT INFORMATION

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Proper Shipping Name:	Adhesive
Hazard Class:	3
Identification Number:	UN 1133
Packaging Group:	PGII
Labels Required:	Flammable Liquid
DOT Limited Quantity:	Up to 5L per inner packaging: 30kg gross weight per package:
Consumer Commodity:	Depending on packaging, these quantities may qualify under DOT as “ORM-D”

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SECTION XII- PREPARATION INFORMATION

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Prepared by:	**G. F. Thompson Co. Ltd.**
Date:	**December 1, 2012**