

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: **BRUSH & ROLLER CLEANER
(AMAZING HASTE)**

Recommended Use: Cleaner for brushes and rollers of all paints, varnishes, lacquers and grease. Spot cleaner for paint on clothes or glass surfaces.



Supplier: TMK Packers Ltd
Address: 2/20 Trugood Drive, East Tamaki.
PO Box 258 031, Botany, Manukau 2163
Telephone: (+64) 9 273 3753
Facsimile: (+64) 9 273 3752
Website: www.tmkpackers.co.nz

Emergency phone: **National Poison Centre
0800 POISON [0800 764 766]**

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, 6.1D, 6.3A, 6.4A, 6.7B, 6.8A, 9.1B

Signal word: **DANGER**

Hazard Statements :

H226 Flammable liquid and vapour	H332 Harmful if inhaled
H302 Harmful if swallowed	H351 Suspected of causing cancer
H312 Harmful in contact with skin	H361 Suspected of damaging fertility or the unborn child
H315 Causes skin irritation	H411 Toxic to aquatic life with long-lasting effects
H319 Causes serious eye irritation	

Precautions Statements :

P102 Keep out of reach of children	P103 Read label before use
P201 Obtain special instructions before use	P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.	P233 Keep container tightly closed
P240 Ground container and receiving equipment	P242 Use non-sparking tools
P261 Avoid breathing vapours	P241 Use explosion-proof equipment
P264 Wash hands thoroughly after handling	P243 Take precautionary measures against static discharge
P273 Avoid release to the environment	P271 Use only outdoors or in well-ventilated area
P280 Wear protective clothing, gloves and	



eye protection

3. COMPOSITION : Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%)
Xylene	1330-20-7	25 - 45
Light aromatic and medium aliphatic hydrocarbon solvents	Mixture	25 - 55
Methyl ethyl ketone	78-93-3	10 - 20
Emulsifier	Proprietary	1 - 10
Essential oil	Proprietary	1 - 5

4. FIRST AID MEASURES

For advice, contact National Poison Centre (0800 POISON ; 0800 764 766) or a doctor. Have product container or label available.

Swallowed

If swallowed, do NOT induce vomiting. Rinse mouth. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain immediate medical attention.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, get medical attention.

Eye Contact

Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes and continue rinsing. Get medical attention if irritation persists.

Inhalation

Move the victim to fresh air immediately. Keep warm and at rest until recovered. Get medical attention if symptoms continue.

Begin artificial respiration if breathing has stopped. Get immediate medical attention.

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. Any product aspirated during vomiting may produce lung injury.

5. FIRE FIGHTING MEASURES



Flashpoint: ~40°C

Flammable limits: LFL : not available UFL: not available

Extinguishing media:

Dry chemical, CO2, foam and BCF (where regulations permit).

Water spray and fog to be used for large fires only. Contain all runoff.

Fire & Explosion hazards:

Liquid and vapours are flammable. Do not breathe smoke, gases or vapours generated in a fire.

Firefighting Equipment:

Full protective clothing and self-contained breathing apparatus (SCBA).

In event of fire:

- Alert Fire Bridge (111); advise location and nature of hazard.
- Wear breathing apparatus and protective gloves.
- Shut off product that may 'fuel' a fire if safe to do so.
- If safe, switch off electrical equipment until vapour hazard removed.
- Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.
- Prevent product and extinguishing media from escaping to drains and waterways.

Hazards from combustion products:

Carbon dioxide, carbon monoxide, nitrogen oxides, smoke and water.

Hazchem Code: 3Y

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures & Containment:

Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity"

Minor spills

- Remove or eliminate all ignition sources.
- Clean up spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Wear personal protective equipment.
- Contain and absorb small quantities with vermiculite or other absorbent material.
- Collect residues and waste material in a labelled container suitable for flammables.
- Seal container and dispose of safely.

Major spills

- Clear area of personnel and move upwind.
- Alert Fire Bridge (111); advise location and nature of hazard.
- Wear breathing apparatus plus protective gloves.



- Stop leak if safe to do so.
- Contain spill with sand, earth or vermiculite.
- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Eliminate sources of ignition, naked lights. No smoking.
- Increase ventilation.
- Water spray or fog may be used to disperse/absorb vapour.
- Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps.
- Collect recoverable product into labeled contains for recycling.
- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labelled drums for disposal/
- Wash area and prevent run off into drains.
- If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

7. HANDLING AND STORAGE

Precautions for safe handling:

Read product label before use.

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 will accumulate static discharge. Use grounding leads to avoid discharge (electrical spark) spark-free tools and equipment suitable for flammables. Do not use plastic buckets.

Use outdoors or in well-ventilated area. Wear personal protective equipment. Wash hands with soap and water after handling. Wash protective clothing separate to household laundry.

Conditions for safe storage:

Keep out of reach of children. Store in a cool, dry place away from direct sunlight. This product will fuel a fire in progress. Check containers periodically for leaks or distortion.

Incompatible materials:

Oxidizing compounds, acids.

8. EXPOSURE CONTROLS : PERSONAL PROTECTION

Health Exposure Standards:

Workplace Exposure Standards (WES), 2002 have been set by the Occupational Safety and Health Service , NZ Department of Labour for ingredients in this product.

	WES-TWA	WES-STEL
Xylene	50 ppm (217 mg/m ³)	



Methyl ethyl ketone (bio)

150 ppm (445 mg/m³)

300 ppm (890 mg/m³)

Biological limit values :

None established

Engineering Controls:

Ventilation:

Use product outdoors or in well-ventilated area. The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment:

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

Eye Protection: Protect eyes from splashes, aerosols or vapour. Always use safety glasses with side shield, or goggles. Avoid wearing contact lenses.

Skin/ Body Protection: Protect skin from contact. Wear chemical resistant gloves, e.g. PVC, nitrile rubber..

If using product in commercial or industrial situations, wear safety footwear or safety gumboots, e.g. rubber. Always wear long sleeves and long trousers or coveralls; PVC apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear liquid
Odour	-	Solvent
Flash Point	°C	~ 40 °C
Specific gravity @ 20°C	g/ml	0.85
Vapour Pressure @ 20°C	mm Hg	Not available
Vapour Density @ 20°C	kPa	> 1
Explosive Limits in Air	%	Not available
Viscosity	cSt	Not available
Volatiles	%vol/vol	Not available
Alkalinity/acidity (as pH)	-	Not applicable
Solubility in Water	% w/w	Immiscible (floats on water)

The values listed are indicative of this product's physical and chemical properties.

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: Contact of xylene with oxidizing agents can result in violent reactions.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

Small amounts of liquid aspirated into the lungs during ingestion, or from vomiting, may cause chemical pneumonitis, or pulmonary oedema. Ingesting large amounts of this product will result in gastrointestinal upsets.

Eye Contact

This product is irritating to eyes and may result in symptoms of redness, swelling, burning sensation and blurring of vision.

Skin Contact

This product is harmful and irritating to skin and may result in redness and swelling. Prolonged or repeated exposure will increase risk of dryness and cracking of skin.

Inhalation

Inhalation of this product will yield moderate discomfort in large quantities. 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

Prolonged or repeated exposure to this product may result in central nervous system depression with symptoms of dizziness and drowsiness, headaches, nausea. The product also contains xylene which has been identified by ERMA as suspected of causing cancer, and damaging fertility or the unborn child.

Other Health Effects Information: None

Toxicological Information: None

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: Product is identified as being ecotoxic to aquatic life with long-lasting effects.

Persistence/degradability: Information specific to formulated product is not available.



Mobility:

Expected to biodegrade rapidly. No significant bioaccumulative effects expected.

This product is highly volatile and will rapidly evaporate to 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, regional and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

14. TRANSPORT INFORMATION

UN Number: 1993
 Shipping name: FLAMMABLE LIQUID, N.O.S (contains xylene, hydrocarbon solvent, MEK)
 Class: 3
 Packing group: III
 Hazchem code: 3Y

Dangerous Goods Segregation

This product is classified as Dangerous Goods Class 3, packing group III. Please consult NZS 5433:2007 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

Country/ Region: New Zealand
Inventory: NZCIL
Status: Listed



ERMA New Zealand Approval Code:

HSR002652 Solvents (Flammable, Toxic [6.7]) Group Standard 2006

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

16. OTHER INFORMATION

Date of Issue: 27th April, 2010
Reasons for Issue: Format change; add heading.
Replaces: 22nd March, 2010

Abbreviations:

CAS No Chemical Abstracts Number
ERMA Environmental Risk Management Authority
HSNO Hazardous Substances and New Organisms
NZCI New Zealand Chemical Inventory
STEL Short Term Exposure Limit
TWA Time Weighted Average
WES Workplace Exposure Standard

References:

Supplier Material Safety Data Sheets
ERMA website: www.ermanz.govt.nz

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 TMK Packers Ltd.

END OF SAFETY DATA SHEET

