

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: *AMAZING HASTE PS REDUCER*

Recommended Use: Paint Thinning

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 Poisons 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: 3.1B, 6.1D (inhalation), 6.1E (oral), 6.3B, 6.4A, 9.1D.

Signal word: DANGER



Hazard Statements :

H225 Highly flammable liquid and vapour.

H303 May be harmful if swallowed.

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H402 Harmful to aquatic life.

Prevention Statements :

P102 Keep out of reach of children.

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground container and receiving equipment.

P241 Use explosion-proof equipment.

P242 Use non-sparking tools.

P243 Take precautionary measures against static discharge.

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- P261 Avoid breathing vapours.
 P264 Wash hands thoroughly after handling.
 P271 Use only outdoors or in well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective clothing, gloves and eye protection.

Response Statements:

- P101 If medical advice is needed, have product container or label at hand.
 P312 Call a POISON CENTRE or doctor if you feel unwell.

P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing.
 Rinse skin with water.

P332 + P313 If skin irritation occurs: Get medical advice.

P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P312 Call a POISON CENTRE or doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice.

P370 + P378 In case of fire: Stop leak if safe to do so.

Storage Statements:

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up

Disposal Statements:

P501 Dispose of product and containers in accordance with local regulations.

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%)
Butyl acetate	123-86-4	<60%
Solvent 100	64742-95-6	<50%
Xylene	1330-20-7	<5%

4. FIRST AID MEASURES

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

Swallowed

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

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with plenty of water then wash with soap and 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 and 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.

5. FIRE FIGHTING MEASURES

Flashpoint: -26°C (Pensky-Martens Closed Cup)

Flammable limits: LFL : 1.7% UFL: 7.6% (literature)

Extinguishing media:

Water fog or fine spray, dry chemical, carbon dioxide or foam (general purpose synthetic foam or protein foams preferred). Do not use water jet.

Fire & Explosion hazards:

Liquid and vapours are highly flammable. Vapour is heavier than air, spreads along the ground and distant ignition is possible. Do not breathe smoke, gases or vapours generated in a fire. Expansion or decomposition of containers may lead to rupture of containers.

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

Hazchem Code: 3(W)E

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 labeled 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 containers for recycling.
- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labeled 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. Approved Handler required. Use only outdoors or in well-ventilated area. This product is highly 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. Wear personal protective equipment. Avoid contact with eyes, skin and clothing. 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. Keep container closed. Store in a cool, dry place away from direct sunlight, heat and sources of ignition (spark, flame). This product will fuel a fire in progress. Check containers periodically for leaks or distortion.

Incompatible materials:

Contact with strong acids, strong bases, strong oxidizers and strong reducing agents.

8. EXPOSURE CONTROLS : PERSONAL PROTECTION

Health Exposure Standards:

Workplace Exposure Standards (WES) have been set for this product.

	WES-TWA	WES-STEL
Butyl acetate	150 ppm (713 mg/m ³)	200 ppm (950 mg/m ³)

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Cumene SKIN 25 ppm (125 mg/m³) 75 ppm (375 mg/m³)

Xylene 50 ppm (217 mg/m³)

Xylene 50 ppm (217 mg/m³) - Ethylbenzene 100 ppm (434 mg/m³) 125 ppm (543 mg/m³)

Biological limit values:

None established

Engineering Controls:

Ventilation:

Do not breathe vapours. 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. Use personal protective respiratory equipment if concentrations in air are unknown, or meet or exceed Health Exposure Limits.

Personal Protective Equipment:

Respiratory Protection: It is recommended to use a half-face filter mask to protect from overexposure by inhalation. Where concentrations in air may exceed the limits described in the Workplace Exposure Standards, use air-purifying respirator fitted with organic vapour cartridge or an appropriate positive pressure breathing apparatus.

Eye Protection: Protect eyes from splashes or vapour. It is recommended to wear chemical goggles. If exposure causes eye discomfort, use full-face respirator.

Skin/ Body Protection:

Wear chemical resistant gloves if any risk of contact with liquid. It is also recommended to wear long sleeves and long trousers or coveralls, chemical resistant shoes or boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear colourless liquid
Odour	-	Fruity
Flash Point	°C	-26
Boiling Point	°C	126
Auto-ignition temperature	°C	425
Specific gravity @ 20°C	g/ml	0.8826
Vapour Pressure @ 20°C	mmHg	8
Vapour Density @ 20°C	Air =1	4.0
Explosive Limits in Air	%v/v	1.7 – 7.6
Alkalinity/acidity (as pH)	-	Not applicable
Solubility in Water	%	0.68
Partition Co-efficient, n-octanol/water (log P _{ow})		1.78

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, contact with incompatible compounds. Exposure to elevated temperatures can cause product to decompose. Avoid static discharge.



Hazardous decomposition products: No decomposition products except on burning. See "Fire Fighting Measures" and "Hazardous Reactions".

Hazardous reactions: Strong acids, strong bases, strong oxidizers and strong reducing agents.

Hazardous polymerization: Not known to occur.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

May be harmful if swallowed. Aspiration into the lungs by ingestion or vomiting may result in chemical pneumonitis.

Eye Contact

Irritating to eyes with possible symptoms of redness and discomfort.

Skin Contact

Mild skin irritant. Prolonged or repeated exposure will increase risk of dryness and cracking of skin.

Inhalation

Harmful by inhalation. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs. Symptoms of excessive exposure may include anesthetic and narcotic effects, dizziness and drowsiness.

Chronic Effects

No information available that indicates any adverse chronic health effects that would result in a hazardous classification.

Other Health Effects Information:

No information.

Toxicological Information:

Butyl acetate	Oral, LD ₅₀ , rabbit	3200 mg/kg
	Inhalation, LC ₅₀ (4hr), rat	1.32 -2.38 mg/L (as mist)
Cumene	Oral, LD ₅₀ , rat	1400 mg/kg
	Dermal, LD ₅₀ , rabbit	> 3160 mg/kg
	Inhalation, LC ₅₀ (4hr),	
	Rat	40 mg/L
1,2,4-Trimethyl benzene	Oral, LD ₅₀ , rat	3280 mg/kg
	Inhalation, LC ₅₀ (4hr), rat	18 mg/L
Xylene	Oral, LD ₅₀ , mouse	1590 mg/kg
	Inhalation, LC ₅₀ , rat	27.6 mg/L
Ethylbenzene	Oral, LD ₅₀ , rat	3500 mg/kg
	Inhalation, LC ₅₀ , rat	9.6 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: Product is classified as being harmful to aquatic life.

Ecotoxicity Information:

Fathead minnow	LC ₅₀ (96 hr)	18 mg/L
Brine shrimp	EC ₅₀ (48 hr)	32 mg/L
Daphnia magna	EC ₅₀ (48 hr)	44 mg/L



Persistence/degradability: Does not bioaccumulate. Bioconcentration level is low (BCF <100). Product rapidly biodegradable.

Mobility: Product floats on water. Evaporates rapidly. If product enters soil, it will be mobile (K_{oc} between 0 and 50) and may contaminate ground-water.

Other information: Chemical Oxygen Demand (COD) 1.69 mg/mg
Theoretical Oxygen Demand (TOD) 2.20 mg/mg
Partition Coefficient, Soil Organic Carbon/Water (K_{oc}) 34 -233 (estimated)

Environmental Exposure Standards: Not set.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Care should be taken to ensure compliance with national, regional and local authority regulations. Packaging may still contain vapours that are flammable. Ensure that empty packaging is allowed to dry. If not recycled, puncture and crush before disposal to landfill. Do not use container for storage of other products.

14. TRANSPORT INFORMATION

UN Number: 1263
Shipping name: PS REDUCER
Class: 3
Packing group: III
Hazchem code: 3(W)E

Dangerous Goods Segregation

This product is classified as Dangerous Goods Class 3, Packing Group Iii.
Please consult NZS 5433:2012 Transport of Dangerous Goods on Land for information.



15. REGULATORY INFORMATION

Country/ Region: New Zealand
Inventory: NZ Inventory of Chemicals
Status: Listed

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EPA New Zealand HSNO Approval Code: HSR 001091; acetic acid, butyl ester.

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

Approved Handler control applies.

16. OTHER INFORMATION

Issue: 1
Date of Issue: 15th August 2022
Reasons for Issue: New Safety Data Sheet.
Replaces: Not applicable.

Abbreviations:

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

References:

Supplier Safety Data Sheet

EPA website: www.epa.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

