

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: SOLVENT D60

Recommended Use: Fuel for lamps

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: 3.1D, 6.1E, 6.3B, 9.1B



Signal word: WARNING

Hazard Statements:

H227 Combustible liquid
H305 May be harmful if swallowed and enters airways
H316 Causes mild skin irritation
H411 Toxic to aquatic life with long-lasting effects

Prevention Statements:

P102 Keep out of reach of children
P103 Read label before use
P210 Keep away from heat, open flames, hot surfaces. No smoking.
P273 Avoid release to environment

Response Statements:

P101 If medical advice is needed, have product container or label at hand.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P331 Do NOT induce vomiting.

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

P370 + P378 in case of fire: Use foam, CO2 or dry chemical.

P391 Collect spillage.

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 (%)
Distillates, petroleum, light hydrotreated	64742-47-8 or 64742-48-9	100

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 spontaneous vomiting occurs, keep head below hips to avoid possible aspiration into lungs. Get medical attention.

Skin Contact

If skin contact occurs, remove contaminated clothing and wash skin 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 rapid recovery does not occur.

First Aid Facilities: Provide eye bath and hand washing facilities.

Advice to Doctor: Treat according to symptoms. Risk of aspiration into lungs with potential to cause chemical pneumonitis.

5. FIRE FIGHTING MEASURES

Flashpoint: > 61 < 93°C

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Flammable limits: LFL: 0.6% UFL: 7.0%

Extinguishing media:

Foam, CO2 or dry chemical. Use water spray or water fog to cool container or use on large fires only. Prevent extinguishing media from entering drains, sewers or waterways.

Fire & Explosion hazards:

Combustible liquid. Do not breathe smoke, gases or vapours generated in a fire. Decomposition products may be toxic.

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.
- Keep bystanders away.
- Wear breathing apparatus and protective gloves.
- Shut off product that may 'fuel' a fire if safe to do so.
- Eliminate sources of ignition
- If safe, switch off electrical equipment until vapour hazard removed.
- Use fine water spray to control fire and cool adjacent area.
- 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:

Product will emit toxic fumes of carbon monoxide.

Hazchem Code: 3Z

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures & Containment:

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

Minor spills

- Clean up spills immediately.
- Remove all ignition sources.
- 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.
- 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.
- Eliminate ignition sources, naked lights. No smoking.
- Stop leak if safe to do so.
- Water spray or water fog may be used to disperse or absorb vapour.
- Contain spill with sand, earth or vermiculite.
- Use spark-free shovels and explosion proof equipment.

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- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Increase ventilation.
- 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. Use in well-ventilated area. Avoid smoking, naked lights or ignition sources. Avoid all personal contact including by inhalation. Wear personal protective equipment and clothing including gloves and wash hands with soap and water after handling.

Conditions for safe storage:

Store in original packaging in a cool, dry well-ventilated place out of reach of children. Store locked up. Check containers periodically for leaks or distortion.

Incompatible materials: Oxidising agents.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

Health Exposure Standards:

No Workplace Exposure Standard (WES) has been set for this product.

Biological limit values: None established

Engineering Controls:

Ventilation: Avoid breathing vapours. Use product outdoors or in well-ventilated area.

Personal Protective Equipment:

Respiratory Protection: Not normally required. Wear a SAA approved respirator when using product in confined area or where over-exposure risk exists. A half-face filter mask may be used, and a type "A" filter material is considered suitable for this product.

Eye Protection: Protect eyes from splashes. Always use safety glasses with side shields, or wear goggles.

Skin/ Body Protection:

Wear gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. rubber, and clothing with long sleeves and long trousers or coveralls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear liquid
Odour	-	Solvent
Flash Point	°C	>61 < 93 °C
Specific gravity @ 20°C	g/ml	0.79 – 0.80

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Vapour Pressure @ 20°C	mm Hg	Not available
Vapour Density @ 20°C	kPa	Not available
Explosive Limits in Air	%	0.6 – 7.0
Viscosity	cSt	Not available
Volatiles	%vol/vol	>99
Alkalinity/acidity (as pH)	-	Not applicable
Solubility in Water	% w/w	Immiscible

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: Contact with oxidizing agents.

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

Hazardous reactions: No specific information available.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

If swallowed may cause gastrointestinal tract discomfort with oedema and mucosal ulceration. Symptoms may include burning sensation of mouth and throat, and if large quantity swallowed, nausea, vomiting, weakness or dizziness, slow and shallow respiration, swelling of abdomen, unconsciousness and convulsions. Vomiting may result in aspiration into lungs which may lead to chemical pneumonitis.

Eye Contact

This product may be irritating to the eyes resulting in tearing and redness. Repeated or prolonged exposure will aggravate any symptoms (redness) and may also lead to blurred vision and transient eye damage or ulceration.

Skin Contact

This product is irritating to the skin. Prolonged or repeated exposure may defat skin leading to drying, cracking and possibly non-allergenic contact dermatitis.

Inhalation

Vapours may cause discomfort to the upper respiratory tract. Symptoms of over-exposure may be drowsiness and dizziness accompanied by narcosis, lack of reflexes or co-ordination.

Chronic Effects: Repeated or prolonged exposure to mixed hydrocarbons may result in dizziness, weakness, irritability, lack of concentration and memory loss, tremor of extremities, e.g. fingers, weight loss, anaemia, ill-effects to liver and kidneys.

Other Health Effects Information: Not available.

Toxicological Information: Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: This product has been classified as being toxic to aquatic life. Do not



Persistence/degradability: discharge product to sewer, drains or waterways.
Not expected to be persistent or bioaccumulative.
Mobility: Product in not miscible with water.
Other information: Not available

Environmental Exposure Standards: 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 authority regulations. Packaging may still contain product vapours.

14. TRANSPORT INFORMATION

UN Number: 3082
Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
(CONTAINS NAPHTHA PETROLEUM)
Class: 9
Packing group: III
Hazchem code: 3Z

Dangerous Goods Segregation

This product is classified as Dangerous Good Class 9.
Please consult NZS 5433:2012 Transport of Dangerous Goods on Land for information.



15. REGULATORY INFORMATION

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

EPA New Zealand Approval Code:
HSR002649 Solvent (Combustible) Group Standard 2006.
Refer www.epa.govt.nz for information on Controls.



16. OTHER INFORMATION

Issue number: 1
Date of Issue: 1ST DECEMBER 2022
Reasons for Issue: NEW SDS
Replaces: none

Abbreviations:

CAS No Chemical Abstracts Number
EPA Environmental Protection 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 Material Safety Data Sheets
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

