

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: FAST CLEAN LS0012

Synonyms: Degreasing Solvent

Use: Removing ink, oil or grease.

Supplier: Advance Chemicals

ABN: 61 005 625 025

Street Address: 4 – 8 Malton Court Altona, 3018

Telephone Number: (03) 9398 4444

Facsimile: (03) 9398 5278

Emergency Telephone: Ted Powell (03) 9398 4444 (Business Hours)
0425 800 022 (After Hours)

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

Classification of the substance or mixture:

Flammable Liquid – Category 2

Aspiration hazard- category 1

Skin irritation – category 2

Toxic to Reproduction – Category 2

Specific target organ toxicity (single exposure) – category 3

Specific target organ toxicity (Repeated Exposure) – Category 2

Hazardous to the aquatic environment (chronic) - category 2

SIGNAL WORD: DANGER



Hazard Statement(s):

H225 – Highly flammable liquid and vapour.

H304 – May be fatal if swallowed and enters airways

H315 – Causes skin irritation

H336 – May cause drowsiness or dizziness

H361 – Suspected of damaging fertility or the unborn child

H373 – may cause damage to organs through prolonged or repeated exposure.

H410 – Very toxic to aquatic life with long lasting effects

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Issued: Feb 2019

Version: 4

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Precautionary Statement(s):

Prevention:

- 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 ignition sources – No smoking.
- P233 – Keep container tightly closed.
- P240 – Ground/Bond container and receiving equipment
- P241 – use explosion – proof equipment when handling this product.
- P242 – Use only non-sparking tool.
- P243 – Take precautionary measures against static discharge.
- P260 – Do not breathe fumes/gas/mist/vapours or spray.
- P264 – wash hands, face and all exposed skin thoroughly after handling
- P271 – use only outdoors or in a well ventilated area.
- P280 - Wear protective gloves/eye protection/ face protection.

Response:

- P101 – If medical advice is needed, have product container or label at hand
- P301 + P310 + P331 – If SWALLOWED: do NOT induce vomiting. Immediately call a POISON CENTER (131126) or doctor/physician.
- P303 + P361 +P353 – IF ON SKIN (or hair): remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Storage:

- P405 – Store in a well-ventilated place. Keep cool.

Disposal:

- P501: Dispose of contents/container in accordance with local waste management authority.

Poison Schedule (Australia): 5

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	
n-Hexane	110-54-3	10 - 13 %	H225; H361; H304; H373; H315; H336; H411
Toluene	108-88-3	< 5%	
Solvent naptha, petroleum, light aliphatic	64742-89-8	10 – 30%	

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4. FIRST AID MEASURES

Inhalation: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.

Skin Contact: Flush area with large amounts of water until irritation subsides. Seek immediate medical attention.

Eye Contact: Hold eyes open, flood with large amounts of water for at least 15 minutes or until irritation subsides. Seek immediate medical attention.

Ingestion: If swallowed do NOT induce vomiting. Give a glass of water. Seek medical assistance. For advice contact the Poisons information Centre on 131 126.

Notes to Doctor: Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product into the lungs with the potential to cause chemical pneumonitis. Also refer to Section 11. Toxicological Information

5. FIRE FIGHTING MEASURES

Specific Hazards: shut off product that may "fuel" fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Material Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways. Hazards from combustion products- carbon dioxide and carbon monoxide.

Fire- fighting advice: Wear breathing apparatus, full protective clothing, appropriate boots and chemically impervious protective gloves while attending hazard.

Suitable Extinguishing Media: Dry chemical or foam

Hazchem Code: 3WE

Flammability: Flammable

6. ACCIDENTAL RELEASE MEASURES

Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

MAJOR LAND SPILL

- Eliminate sources of ignition
- Warn occupants of downwind areas of possible fire and explosion hazard
- Prevent liquid from entering sewers, watercourses or low-lying areas
- Keep the public away from the area
- Shut off source of the spill if possible and safe to do so
- Contain the spilled liquid with sand or earth
- recover by pumping- use explosion proof pump or hand pump- or a suitable absorbant material

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- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.

MAJOR WATER SPILL

- Eliminate sources of ignition
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard
- Notify the port or relevant authority and keep public away from the area
- Shut off the source of the spill if possible and safe to do so
- Confine spill if possible
- Remove product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

7. HANDLING AND STORAGE

Handling advice: 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. Use grounding leads to avoid discharge (electrical spark)

Storage advice: Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers- residual vapours are flammable. This product is flammable and will fuel a fire in progress.

Incompatible materials: Natural rubber, Butyl rubber, EPDM, Polystyrene.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits:

Safe Work Australia Exposure Standard for n-Heptane (CAS No. 142-82-5):

TWA = 400 ppm or 1,640 mg/m³ STEL = 500 ppm or 2,050 mg/m³

Safe Work Australia Exposure Standard for n-Hexane (CAS No. 110-54-3):

TWA = 20 ppm or 72 mg/m³

Engineering Controls: The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof ventilation equipment.

Personal Protection Equipment: Wear chemical gloves, goggles or face shield. Wear protective clothing as necessary to avoid skin contact. Wear chemical resistant gloves. Respiratory protection should be used if there is a risk of exposure to high vapour concentrations. This product is harmful if inhaled. Respirators should comply with AS1716 or an equivalent approved by a state or territory authority.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, mobile liquid with a hydrocarbon smell

Boiling Point: 89 - 95 °C

Melting Point: Not Known

Flash Point: -31 °C ASTM D 93

Vapour Pressure: <70 hPa @ 20 °C

Vapour Density (Air = 1): N/A

Flammability Limits: N/A

Specific Gravity: 695 kg/m³ ISO 12185

pH (1% dispersion): Not Applicable

Solubility in water: Insoluble

Corrosiveness: Non-corrosive

10. STABILITY AND REACTIVITY

Stability: Stable when stored in sealed container at room temperature.

11. TOXICOLOGICAL INFORMATION

Acute Health Effects:

Ingested: produces hallucinations and narcotic effects. Ingestion of large amounts will result in drowsiness, fatigue, loss of appetite, paresthesia in distal extremities (tingling in hands and feet). Possibility of muscle weakness, cold pulsation in extremities (hands and feet), blurred vision, headache and nausea. Vomiting may cause this product to be aspirated to the lungs resulting in chemical pneumonitis or pulmonary oedema.

Eye: This product is irritating to eyes, but will not permanently damage the eye tissue.

Skin: This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking.

Inhaled: This product is irritating to the respiratory tract. Exposure to large concentrations over an extended period of time will result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.

Chronic: there is evidence of potentially irreversible damage to the peripheral nervous system, particularly arms and legs.

This product contains n-hexane, where the effects of this constituent show incidents of experimental teratogenic and reproductive effects and mutation data has been reported. The effects of this product in combination with MEK are potentiated (greatly increased). This means the effects suffered by ingestion or inhalation will be increased, or experienced more quickly.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

ACUTE TOXICITY: COMPONENT - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics:
TOXICITY TO ALGAE: ErL50 (72h) = 10-30 mg/l (Pseudokirchneriella subcapitata) OECD 201.
EbL50 (72h) = 10-30 mg/l (Pseudokirchneriella subcapitata) OECD 201.
TOXICITY TO DAPHNIA: EL50 (48h) = 3 mg/l (Daphnia magna) OECD 202.
TOXICITY TO FISH: LL50 (96h) > 13.4 mg/l (Oncorhynchus mykiss) OECD 203.
CHRONIC TOXICITY: COMPONENT - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics:
TOXICITY TO ALGAE: NOELR (72h) = 6.3 mg/l (Pseudokirchneriella subcapitata) OECD 201.
TOXICITY TO DAPHNIA: NOELR (21d) = 1 mg/l (Daphnia magna) OECD 211.
TOXICITY TO FISH: NOELR (28d) = 1.53 mg/l (Oncorhynchus mykiss) QSAR Petrotox..

This product can degrade rapidly in air. This substance is expected to be removed in wastewater treatment. Bases upon data for similar components or estimated data, this product is expected to biodegrade rapidly and be 'readily' biodegradable according to OECD guidelines.

This product is highly volatile and will rapidly evaporate to the air if released into water.

13. DISPOSAL CONSIDERATIONS

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 and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry. This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams and rivers. This product is ashless and can be burned directly in appropriate equipment.

14. TRANSPORT INFORMATION

UN Number: 3295

Proper Shipping Name: HYDROCARBONS, LIQUID, N.O.S

Dangerous Goods Class: 3

Subsidiary risk: None

Packing Group: II

Hazchem Code: 3YE

Road and Rail Transport: Classified as Dangerous Goods by criteria of the Australian Dangerous Goods Code for transport by road and rail.

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15. REGULATORY INFORMATION

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16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS can not anticipate or control the conditions under which this information can be used, each user should review this information in the specific context of the intended application.

ADVANCE CHEMICALS will not be responsible for any damage or loss of any nature resulting from the use of or reliance upon this information. No expressed or implied warranties are given other than those implied mandatorily by Commonwealth, State or Territory legislation.

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