

MATERIAL SAFETY DATA SHEET

Solvent D60

FILE REF. : econoclean msds

MSDS DATE: 01/08/2018



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Solvent D60
OTHER NAMES: Dearomatised hydrocarbon

SUPPLIER : Econoclean (2004) Ltd
ADDRESS: 5 Atuaroa Ave, Te Puke
PHONE : 07 573 7207,

EMERGENCY PHONE: **111 and ask for fire Service**
Chemcall 0800 243 622.

OTHER CALLS: **0800 764 766** National Poisons Centre Dunedin

CHEMICAL NAME: Blended Hydrocarbon
CHEMICAL FAMILY: Paraffinic, naphthenic hydrocarbon mixture
CHEMICAL FORMULA: Not Available

PRODUCT USE: Industrial Solvent.
PREPARED BY: Jack van Selm, Econoclean.

SECTION 2: HAZARD IDENTIFICATION

Hazardous Substance:

Product is classified as hazardous under HSNO criteria.

HSNO Approval Number: HSR002649

Hazardous Classification: 3.1D; Combustible Liquid: 6.E; Aspiration hazard:
6.3B; Skin Irritant.



Signal word: DANGER

Hazard Statements :

H227 Combustible liquid
H304 May be fatal if swallowed and enters airways.
H316 Causes mild skin irritation

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Prevention Statements :

- P210** Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P280 Wear protective gloves, protective clothing and eye protection.

Response Statements

- P101** If medical advice is needed, have product container or label at hand.
P301 + P310 **IF SWALLOWED**: Immediately call a POISON CENTRE (0800 764 766) or doctor.
P331 Do NOT induce vomiting
P332 + P313 If skin irritation occurs, get medical advice
P370 + P378 In case of fire: Use water, fog, foam, dry powder or carbon dioxide (CO2) to extinguish.

Storage Statements

- P405** Store locked up

Disposal Statements

- P501** Dispose of product and container in accordance with local regulations

Dangerous Goods Classification: N/R

Packaging Group: N/R

Hazchem Code: N/R

Information specific to the use of this product in Econoclean Parts Washers:

When hot work (in particular grinding) is being carried out in the vicinity of the wasbath always make sure that the lid of the bath is closed.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Ingredient	CAS No.	Proportion (%w/w)
Naphta (Petroleum),hydrotreated heavy	64742-48-9	100 %

SECTION 4: FIRST AID MEASURES

For advice, contact the National Poisons Centre(Phone New Zealand: 0800 764 766) or a doctor.

Swallowed:

If swallowed, do NOT induce vomiting. Rinse mouth. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth. Obtain immediate medical attention.

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Skin Contact:

Remove contaminated clothing and wash skin thoroughly with soap and water. Use water alone, if soap is unavailable. Apply a moisturising hand cream, if available. Seek medical attention if any soreness or inflammation of the skin persists or develops later. Launder affected clothing before re-use.

Eyes:

Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Get medical attention if irritation (redness, burning, blurring or swelling) persists.

Inhalation:

Remove to fresh air. Keep warm and at rest. If breathing is laboured, hold in a half upright position (this assists respiration). Apply artificial respiration if breathing has stopped. Seek URGENT medical attention for all but the most minor cases of exposure.

Advice to Doctor:

Because of the risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation.

Safety Precautions:

Eye wash station, safety shower. Good occupational work practices.

SECTION 5: FIRE-FIGHTING MEASURES

Combustible liquid. Shut off product that may "fuel" a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Extinguishing Media:

Use water fog, foam, powder, CO2 to extinguish fire

Special Fire Fighting Procedures:

Fire fighters should wear full protective clothing and self contained breathing apparatus operated in positive pressure mode.

Hazardous decomposition products

Combustion products include carbon monoxide and carbon dioxide..

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental release measures (on land):

Eliminate sources of ignition.

Stop leak, contain spill using sand or earth, prevent liquid from entering sewers, watercourses, or low-lying areas.

Warn occupants of downwind areas of possible hazards.

Keep the public away from the area.

Shut off the source of the spill if possible and safe to do so.

Advise authorities if substance is likely to enter or has entered a watercourse or sewer or has contaminated soil or vegetation.

Where possible recover spilt product using an air driven pump, or hand pump.

Contaminated product can be returned to Econoclean for processing.

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Accidental release measures (on water):

As above but confine spill using floating booms, remove product from water surface by skimming or with suitable of absorbent material.

Consult Econoclean to arrange suitable disposal of contaminated liquid.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling :

Open containers cautiously as content may be under pressure. Use only in well ventilated area. Do not store or use in confined spaces. (Do not enter such areas without respiratory protection or until the atmosphere has been checked). Keep tanks covered and containers sealed when not in use. Ensure electrical continuity to earth by bonding and earthing all equipment. Avoid splash filling. Build up of mists or vapours in the atmosphere must be prevented. Avoid inhalation of vapour and mists. Do not use near welding or other ignition sources and avoid sparks. Do not pressurize, cut, heat or weld containers as they may contain hazardous residues. Do not smoke. when dealing with this product.

Protection should be used in order to lessen the possibility of skin and eye contact. It is essential that all who come into contact with this material maintain high standards of personal hygiene. e. washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage:

Store locked in a cool, dry place away from direct sunlight.

Storage Temperature:

Ambient.

Recommended Engineering Materials:

Tanks and piping, carbon steel or stainless steel, polyethylene, polypropylene, polyester, Teflon.

Unsuitable materials:

Natural rubber, butyl, EPDM, polystyrene..

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

The time-weighted average concentration (TWA) recommended by the supplier for this product is: 1200 mg/m³ (171 ppm), which means the highest allowable exposure concentration in an eight hour day for a five-day working week.

The short-term exposure limit (STEL) which is the maximum allowable exposure concentration at any time is not specified.

The Toxic Exposure limit in air-TEL (air): not specified

The Toxic Exposure limit for Skin – TEL(Skin) :not available

The Toxic Exposure limit for Drinking water- TEL (Drinking Water): Not available

Biological Exposure Limit Values

None established

Ventilation:

Provide sufficient ventilation to keep airborne levels below exposure limit. Where vapours or mists are generated particularly in enclosed areas, natural ventilation is inadequate, a flame proof exhaust ventilation system is recommended.

Respiratory Protection:

Where engineering controls can not be relied upon to keep airborne levels to below exposure limits, a suitable respiratory protective device must be worn. Such devices shall be used and maintained in line with relevant regulations. A type 'A' filter material is considered suitable for this product.

For high airborne concentrations, use an approved supplied-air respirator operated in positive pressure mode.

Eye Protection:

Always use safety glasses with side shields, goggles or full face shield shall be used when handling this product.

Skin Protection:

Chemical resistant gloves must be used when handling this product.

Other Protective Clothing and Equipment:

Wear appropriate clothing such as overalls in combination with a chemical resistant apron. Wear safety boots.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear colourless liquid

ODOUR: Mild petroleum

BOILING POINT: 187 - 216 C

FLASH POINT : 63 C

SOLUBILITY IN WATER: Negligible

DENSITY: 0.792 AT 15C

PH : Not available

VAPOUR PRESSURE: 0.05 kPa at 15C

VAPOUR DENSITY (AIR = 1) : greater than 1.

EVAPORATION RATE : 0.03

AUTO-IGNITION TEMPERATURE : greater than 200C

FLAMMABLE LIMITS LOWER (LEL): 0.6 % Volume

FLAMMABLE LIMITS UPPER (HEL): 7 % Volume

VISCOSITY @ 25C: 1.64 cSt

PERCENTAGE VOLATILES: 100% v/v

The values listed are indicative of this product's physical and chemical properties, For a full product specification consult Econoclean LTD

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable at room temperature and pressure.

CONDITIONS TO AVOID : Source of heat and ignition, open flames. Incompatible materials as listed in section 7.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: No decomposition products except on burning.

HAZARDOUS REACTIONS : with oxidizing agents

SECTION 11: TOXICOLOGICAL INFORMATION

INHALATION:

Inhalation of this product in large quantities will result in moderate discomfort. Vapour concentrations are irritating to nose and throat. Overexposure may be evident through dizziness, nausea, headaches and other central nervous system effects.

INGESTION:

Minimally toxic. Small amounts of liquid aspirated into the lungs during ingestion, or from vomiting, may cause chemical pneumonitis or pulmonary oedema. Ingesting large amount of this product will result in headaches, nausea, dizziness and tracheal burning.

SKIN:

Mildly irritating to the skin with prolonged exposure. It may result in dryness and cracking

EYE:

Mildly irritating to the eyes, with short lasting discomfort, but will not permanently damage eye tissue.

CHRONIC EFFECTS:

No chronic health data is available for this product.

OTHER HEALTH EFFECTS INFORMATION:

None

TOXICOLOGICAL INFORMATION:

Oral LD50: Oral; greater than 5000mg/kg (rat)

Dermal LD50: greater than 5000mg/kg (rabbit)

Inhalation: LC 50 (8h):5000ppm as vapour (rat)

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:**AQUATIC TOXICITY:**

Not expected to be harmful to aquatic organisms.

Fish toxicity LC50: Based on data for a similar component or preparation, this product is not expected to be toxic to aquatic organisms.

Daphnia magna EC50: No data available

Blue-green algae: Based on data for a similar component or preparation, this product is not expected to be toxic to aquatic organisms.

Green algae: No data available

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PERSISTENCE/BIODEGRADIBILITY :

Expected to be readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

MOBILITY:

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

Environmental Exposure Limits:

EEL (air) : Not available

EEL (water): Not available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Empty packaging should be taken for recycling, recovery or disposal through a suitable qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods and HSNO regulations.

Special precautions for landfill or incineration:

This product is NOT suitable for disposal by either landfill or via council sewer, stormwater drains, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment.

It is recommended that contaminated product is returned to Econoclean for recycling.

SECTION 14: TRANSPORT INFORMATION

Road and Rail Transport:

Proper Shipping Name: 100% Liquid Hydrocarbon

DG Class: N/R

UN Number : N/R

Packing Group: N/R

HAZCHEM : N/R

Marine Transport:

Proper Shipping Name: 100% Liquid Hydrocarbon

DG Class: N/R

UN Number: N/R

Packing Group: N/R

HAZCHEM : N/R

Air Transport :

Proper Shipping Name: 100% Liquid Hydrocarbon

Hazard Class: N/R

UN Number: N/R

Packing Group: N/R

HAZCHEM : N/R

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Dangerous Goods Segregation:

This product is not classified as a Dangerous Good. Please consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

SECTION 15: REGULATORY INFORMATION

Country Region : Australia / New Zealand.

Inventory: AICS,NZIoC.

Status: Listed

EPA New Zealand Approval Code:

HSR002652 Solvent (Combustible)Group Standard 2006.

Hazardous Classifications:

3.1D: Combustible liquid; 6.1E:Aspiration hazard ; 6.3B:Skin Irritant.

HSNO controls: Refer WWW.EPA.GOV.TZ for information on controls.

Approved Handler: No

Tracking: No

Site and Storage Controls:

Fire extinguishers: Trigger quantity 500L

Emergency response plan and secondary containment: Trigger quantity 10,000L

Transport:

Fire extinguishers: Trigger quantity 500L for motor vehicle to have two extinguishers present.

Passenger Service Vehicle: Not to exceed 2.5 ltr per package.

Safety Data Sheet: required

Child Resistant Packaging: Required for packaging less than 2.5 ltr

Packaging:Schedule 4

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION:

This MSDS for Solvent D60 is the result of a comprehensive review of the document issued by Econoclean(2004)Ltd in 2013.

This MSDS was prepared using information from supplier of this product and data available in the public domain. The 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 use and storage of this type of product.

For further information contact Econoclean(2004)ltd

Review date for this MSDS is 01/08/2023

End of MSDS