

Material Safety Data Sheet

SECTION 1 - IDENTIFICATION OF THE MATERIAL

Trade name: Parts Cleaner and Degreaser PC-540-RE

Effective Date: 2020-06-20

MSDS#:20200620

Manufacturer/Supplier: ABRO INDUSTRIES, INC.

3580 Blackthorn Court South Bend, IN 46628, USA

COMPANY PHONE: +574-232-8289

Emergency information: Chemtrec: US/Canada 1-800-424-9300, International +1-703-527-3887

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Weight-%
Petroleum Distillates	64742-47-8	30-40
Dimethyl Ether	115-10-6	25-35
Ethylene Glycol Monobutyl Ether	111-76-2	3-10
Carbon Dioxide	124-38-9	3-8
Dipropylene Glycol Monomethyl Ether	34590-94-8	3-5
Sodium Gluconate	527-07-1	2-5
Trisodium Phosphate, Dodecahydrate	10101-89-0	1-5
Sodium Metasilicate	6834-92-0	1-5

SECTION 3 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous Substance, Dangerous Goods.

Risk Phrases:

R11 – Highly flammable

R20/22 - Harmful by inhalation and if swallowed.

R36/38 – Irritating to eyes and skin.

R67 – Vapours may cause drowsiness and dizziness.

Safety Phrases:

S2 – Keep out of reach of children

S7/9 – Keep container tightly closed and in a well ventilated place

S21 – When using do not smoke

S23 – Do not breathe vapour.

S51 – Use only in well ventilated areas.

S24/25 – Avoid contact with skin and eyes.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation. High concentrations of vapours may cause headache, fatigue, drowsiness and dizziness.

Skin contact: May cause allergic skin reaction. May cause skin irritation. Product has a defatting effect on skin. Prolonged contact may cause dryness of skin.

Eye contact: Contact with eyes will cause irritation.

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse.

Get medical attention if symptoms occur.

Eye contact: Check for and remove any contact lenses. Immediately flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly. Loosen any tight clothing. Keep individual calm. Obtain medical attention. If there are signs of intoxication (drunkenness) then serious health effects may follow (depending on the amount swallowed or inhaled). Treat unconsciousness by placing the person in the coma position. Apply artificial respiration if breathing stops. Immediate medical attention should be sought and the affected person transferred and accompanied to the care of a doctor or hospital.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point: 55 °C

Autoignition temperature: 465°C (ASTM D-2155)

Flammable/Explosive limits-lower %: 2.6%

Flammable/Explosive limits-upper %: 13%

Extinguishing media: Alcohol resistant foam, dry chemical or carbon dioxide.

Special fire fighting procedures: Use water to cool exposed containers. Heating can cause expansion or decomposition leading to violent ruptures of containers. If safe to do so, remove containers from path of fire. Spills and leaks may be washed away with copious volumes of water, fog, or spray. For major fires or where the atmosphere is oxygen deficient or contains unacceptable levels of combustion products, fire-fighters must wear self contained breathing apparatus with full face mask and protective clothing.

Unusual fire or explosion

hazards: None

Hazardous combustion

products: Oxides of carbon. Keep run-off water out of sewers and water sources.

Hazchem Code: 2[Y]E

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Environmental precautions:** Extinguish all ignition sources. Ventilate well. Use approved respirator if air contamination is above accepted level. Prevent product from entering drains or open waters.
- Clean-up methods:** Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

SECTION 7 - HANDLING AND STORAGE

Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapour and mist. Wash thoroughly after handling.

Storage:

For safe storage, store at or below 38°C (100°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Refer to Section 10.

Incompatible products:

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:

No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.

Respiratory protection:

Skin protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

Eye/face protection:

Neoprene gloves. butyl rubber gloves. Natural rubber gloves.

Safety goggles or safety glasses with side shields. Eye wash facilities should be provided

See Section 2 for exposure limits in all areas where the product is handled.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Physical state:** Liquid.
- Colour:** Clear, colourless.
- Odour:** Organic solvents.
- pH:** Not available
- Boiling point/range:** 56.2°C.
- Melting point/range:** -94°C
- Specific gravity:** 0.791 at 20°C.
- Vapour density:** 2 at 20°C (air=1)
- Evaporation rate:** 7.0 (ASTM D-3539, nBuAc=1)
- Solubility in water:** Miscible.

SECTION 10 - STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions of use.
- Hazardous polymerization:** Will not occur.
- Hazardous decomposition products:** Oxides of carbon.
- Incompatibility:** Strong oxidizers. Strong acids.
- Conditions to avoid:** See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

SECTION 11 - TOXICOLOGICAL INFORMATION

Product toxicity data:

acetone Oral: LD₅₀ >5,800 mg/Kg (rat). Skin: LD₅₀>20,000mg/Kg (rabbit) Inhalation
LC₅₀:50mg/m³/8hr (rat)

Xylenes Oral: LD₅₀ 4300 mg/Kg (rat). Skin: LD₅₀>17,000mg/Kg (rabbit) Inhalation
LC₅₀:5000ppm/4hr (rat)

Irritation Data: 500mg (skin rabbit), Moderate. 87mg (eye rabbit) Mild.
Has shown some evidence of reproductive effects in laboratory animals
IARC Category 3

SECTION 12 - ECOLOGICAL INFORMATION

Acute Toxicity Fish: (acute): Blugil Sunfish: LC₅₀ 8,300ppm/96hr
Daphnia Magna: LC₅₀ 10ppm/48hr

Mobility: Dissolves in water
If product enters soil, it will be highly mobile and may contaminate groundwater

Persistence/degradability: Biodegradable and volatile.

Bioaccumulation: Not expected to bioaccumulate significantly.

SECTION 13 - DISPOSAL CONSIDERATIONS

Recommended method of disposal: Recycle if possible. Dispose of according to Federal, State and Local governmental regulations.

Container disposal: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Recycle if possible.

SECTION 14 - TRANSPORT INFORMATION

ADG:

Proper shipping name: Aerosols, Flammable

UN No.: 1950

Class: 2.1

Packing group: III

IMDG:

Proper shipping name: Aerosols, Flammable

Identification No.: UN 1950

Class: 2.1

Packing group: III

Marine pollutant: No

IATA (country variations may occur):

Proper shipping name: Aerosols, Flammable

Identification No.: UN 1950

Class: 2.1

Packing group: III

SECTION 15 - REGULATORY INFORMATION

Poisons Schedule (SUSDP): Schedule 5 Poison

SECTION 16 – OTHER INFORMATION

Abbreviations/Acronyms:

- ADG – Australian Dangerous Goods.
- AICS – Australian Inventory of Chemical Substances.
- HSIS - Hazardous Substances Information System.
- IARC – International Agency for Research on Cancer.
- NIOSH – National Institute of Occupational Health and Safety.
- NOS – Not Otherwise Specified.
- PEL – Permissible Exposure Limit.
- STEL – Short Term Exposure Limit.
- SWA – SafeWork Australia, formally ASCC and NOHSC.
- SUSDP – Standard for the Uniform Scheduling of Drugs and Poisons.
- TLV – Threshold Limit Value.
- TWA – Time Weighted Average.

DISCLAIMER

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The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.