



SOCAR CHEMICAL, LLC

**Safety Data Sheet
Socar Brake Wash**

Version 1.0 • Date of issue: 2023-05-31

SECTION 1: Identification

GHS Product identifier

Product name Socar Brake Wash

Recommended use of the chemical and restrictions on use

Cleaning compound for automotive brakes

Supplier's details

Name Socar Chemical, LLC
Address 2609 Rutherford Rd
Greenville SC 29609
USA

Telephone (864) 244-5068
email cs@socarchemical.com

Emergency phone number **CHEMTREC 1(800) 424-9300
CCN695199**

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Flammable liquids, Cat. 2
- Toxic to reproduction, Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Specific target organ toxicity (repeated exposure), Cat. 2

GHS label elements, including precautionary statements

Pictograms



1. Flame; 2. Health hazard; 3. Exclamation mark

Signal word

Warning

Hazard statement(s)

Highly flammable liquid and vapor
Causes skin irritation
May cause respiratory irritation
May cause drowsiness or dizziness
Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure

Precautionary statement(s)

Prevention	Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing fume, gas, or vapors. Use only outdoors or in a well-ventilated area. Wear protective gloves, clothing, and eye/face protection. Wash thoroughly after handling.
Response	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor if you feel unwell. In case of fire: Use water or suitable extinguisher to extinguish. Take off contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents and container in accordance with all local, state, and federal regulations.

Other hazards which do not result in classification

May form explosive mixtures with air

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. N-HEXANE

Concentration	100 % (weight)
EC no.	203-777-6
CAS no.	110-54-3
Index no.	601-037-00-0

- Flammable liquids, Cat. 2
- Toxic to reproduction, Cat. 2
- Aspiration hazard, Cat. 1
- Specific target organ toxicity (single exposure), Cat. 3
- Specific target organ toxicity (repeated exposure), Cat. 2
- Skin corrosion/irritation, Cat. 2
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

H225	Highly flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H361f	
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]
H411	Toxic to aquatic life with long lasting effects
SCLs/M-factors/ATEs	STOT RE 2; H373: C ≥ 5 %

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms/effects, acute and delayed

Not available

Indication of immediate medical attention and special treatment needed, if necessary

Not available

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

Not available

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

SECTION 7: Handling and storage

Precautions for safe handling

Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Flammable liquids

SECTION 8: Exposure controls/personal protection

Control parameters

1. n-Hexane (CAS: 110-54-3)

PEL (Inhalation): 500 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1800 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 50 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 50 ppm (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 20 ppm; 72 mg/m³; Australia (AU/SWA)

Appropriate engineering controls

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Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Colorless liquid
Color	Colorless
Odor	Gasoline-like
Odor threshold	Mild
Melting point/freezing point	-95.35°C (-139.6°F)
Boiling point or initial boiling point and boiling range	68.73°C (155.7°F)
Flammability	Extremely flammable in the presence of oxidizing materials
Lower and upper explosion limit/flammability limit	Lower: 1.1% Upper: 7.5%
Flash point	Closed cup: -22°C (-7.6°F)
Auto-ignition temperature	225°C (437°F)
Decomposition temperature	Not available
pH	Not available
Kinematic viscosity	Dynamic (room temperature): 0.3 mPa·s (0.3 cP)
Solubility	0.0098 g/l in water
Partition coefficient n-octanol/water (log value)	4
Vapor pressure	17 kPa (127.51 mm Hg) [room temperature]
Evaporation rate	6.82 (butyl acetate = 1)
Density and/or relative density	0.7
Relative vapor density	3 (Air = 1)

Particle characteristics

Not available

Supplemental information regarding physical hazard classes

Not available

Further safety characteristics (supplemental)

Not available

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal use conditions.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

No data available.

Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

Suspected of damaging fertility

Specific target organ toxicity (STOT) - single exposure

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Narcotic effects

Specific target organ toxicity (STOT) - repeated exposure

Narcotic effects

Aspiration hazard

No data available

Additional information

N-HEXANE: *TOXICITY:

typ. dose mode specie amount units other

TCLo ihl hmn 5000 ppm/10M

LDLo ipr rat 9100 mg/kg

LCLo ihl mus 120 gm/m3

LD50 orl rat 28710 mg/kg

*AQTX/TLM96: >1000 ppm

*SAX TOXICITY EVALUATION:

THR: LOW via oral route. Used as a food additive permitted in food for human consumption.

*CARCINOGENICITY:

Status: NTP Carcinogenesis studies; on test (prechronic studies), January 1987

*MUTATION DATA:

test lowest dose | test lowest dose

----- | -----
cyt-ham:fbr 500 mg/L |

*TERATOGENICITY:

Reproductive Effects Data:

TCLo: ihl-rat 10000 ppm/7H (15D pre/1-18D preg)

TCLo: ihl-rat 1000 ppm/6H (8-16D preg)

TCLo: ihl-rat 1 pph/6H (65D male)

TDLo: orl-mus 238 gm/kg (6-15D preg)

*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: Federal Register (1/19/89) and 29 CFR 1910.1000 Subpart Z

Transitional Limit: PEL-TWA 500 ppm [610]

Final Limit: PEL-TWA 50 ppm [610]

ACGIH: TLV-TWA 50 ppm [015,058,414,421]

NIOSH Criteria Document: Recommended Exposure Limit to this compound-air:

TWA 100 ppm; Ceiling Limit 510 ppm/15M [610]

NFPA Hazard Rating: Health (H): 1

Flammability (F): 3

Reactivity (R): 0

H1: Materials only slightly hazardous to health (see NFPA for details).

F3: Materials which can be ignited under almost all normal temperature conditions (see NFPA for details).

R0: Materials which are normally stable even under fire exposure conditions and which are not reactive with water (see NFPA for details).

***OTHER TOXICITY DATA:**

Skin and Eye Irritation Data:

eye-rbt 10 mg MLD

Standards and Regulations: DOT-Hazard: Flammable liquid; Label: Flammable liquid

Status: NIOSH Analytical Methods: see Hydrocarbons, BP 36-126 C, 1500

EPA TSCA Chemical Inventory, 1986

EPA TSCA Test Submission (TSCATS) Data Base, December 1986

Meets criteria for proposed OSHA Medical Records Rule

SECTION 12: Ecological information

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

SECTION 14: Transport information

DOT (US)

UN Number: UN1208

Class: 3

Packing Group: II

Proper Shipping Name: Hexanes

Reportable quantity (RQ):

Marine pollutant: N/A

Poison inhalation hazard:

IMDG

UN Number: UN1208

Class: 3

Packing Group: II

EMS Number:

Proper Shipping Name: Hexanes

IATA

UN Number: UN1208

Class: 3

Packing Group: II

Proper Shipping Name: Hexanes

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

California Prop. 65 components

Chemical name: N-HEXANE

CAS number: 110-54-3

12/15/2017 - Male reproductive toxicity

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Canadian Domestic Substances List (DSL)

Chemical name: Hexane

CAS: 110-54-3

Massachusetts Right To Know Components

Chemical name: Hexane

CAS number: 110-54-3

New Jersey Right To Know Components

Common name: n-HEXANE

CAS number: 110-54-3

Pennsylvania Right To Know Components

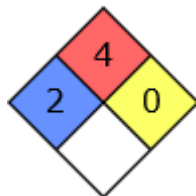
Chemical name: Hexane

CAS number: 110-54-3

HMIS Rating

Socar Brake Wash	
HEALTH	* 2
FLAMMABILITY	4
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA Rating



SECTION 16: Other information

Date of last revision: March 2023

Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Socar Chemical, LLC be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Socar Chemical, LLC has been advised of the possibility of such damages.

Preparation information

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