

**Sulfolane - A Anhydrous**

Version 1.1

Revision Date 2026-06-25

MSDS number:

Version	Revision Date:	SDS Number (Internal):	Date of last issue: -
1.1	2026-06-25	100000014122	Date of first issue: 2009-10-27

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sulfolane - A Anhydrous

Material : 1126072, 1125132, 1122438, 1115722, 1114955, 1100709, 1098522, 1093880, 1024635, 1024637, 1024641, 1024640, 1024644, 1024636, 1024639, 1024638, 1032498, 1024634

Product code : 000000000000000000 000000000000000000

Recommended use of the chemical and restrictions on use

Recommended use : Commercial Product Solvent

Restrictions on use : This material should not be used for purposes other than the identified uses in section 1 without expert advice.

Manufacturer or supplier's details

Address : Chevron Phillips Chemical Company LP
Specialty Chemicals
9500 Lakeside Blvd.
The Woodlands, TX 77381

Address : CHEVRON PHILLIPS CHEMICALS ASIA PTE. LTD.
C/O DONG WOO CORPORATION
#B-2601, JEONGJAIL-RO,
BUNDANG-GU, SEONGNAMI-SI,
GYEONGGI-DO, 13557
SOUTH KOREA
Telephone no.: +612-9186-1132

Emergency telephone:**Health:**

866.442.9628 (North America)
1.832.813.4984 (International)

Transport:

CHEMTREC 800.424.9300 or 703.527.3887(int'l)
Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090
Mexico CHEMTREC 01-800-681-9531 (24 hours)
South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600
Argentina: +(54)-1159839431
EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week)
Belgium: 070 245 245 (24 hours/day, 7 days/week)
Bulgaria: +359 2 9154 233
Croatia: +3851 2348 342 (24 hours/day, 7 days/week)
Cyprus: 1401



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Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402
 Denmark: Danish Poison Center (Giftlinjen): +45 8212 1212
 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
 Finland: 0800 147 111 09 471 977 (24 hours/day)
 France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week)
 Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
 Greece: (0030) 2107793777 (24 hours/day, 7 days/week)
 Hungary: +36-80-201-199 (24 hours/day, 7 days/week)
 Iceland: 543 2222 (24 hours/day, 7 days/week)
 Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
 Italy: POISON CENTER MILAN – Azienda Ospedaliera Niguarda Ca` Grande Tel. +39 02 66101029; POISON CENTER ROME – Policlinico “Agostino Gemelli”, Servizio di tossicologia clinica Tel. +39 06 3054343; POISON CENTER ROME – Ospedale Pediatrico Bambino Gesù Tel. +39 06 68593726; POISON CENTER ROME – Policlinico “Umberto I” Tel. +39 06 4997 8000; POISON CENTER FOGGIA – Azienda Ospedaliera Universitaria Riuniti Tel. +39 0881 732326; POISON CENTER NAPLES – Azienda Ospedaliera “Antonio Cardarelli” Tel. +39 081 7472870; POISON CENTER FLORENCE – Azienda Ospedaliera universitaria Careggi Tel. +39 055 7947819; POISON CENTER PAVIA – IRCCS Fondazione Salvatore Maugeri Tel. +39 0382 24444; POISON CENTER BERGAMO – Azienda Ospedaliera “Papa Giovanni XXIII” Tel. 800 883 300; POISON CENTER VERONA – Azienda Ospedaliera Universitaria integrata Tel. 800 011 858;
 Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371 67042473. (24 hours.)
 Liechtenstein: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
 Lithuania: +370 (85) 2362052
 Luxembourg: (+352) 8002 5500 (24 hours/day, 7 days/week)
 Malta: +356 2395 2000
 The Netherlands: NVIC: +31 (0)88 755 8000
 Norway: 22 59 13 00 (24 hours/day, 7 days/week)
 Poland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
 Portugal: CIAV phone number: +351 800 250 250
 Romania: +40213183606
 Slovakia: +421 2 5477 4166
 Slovenia: Phone number: 112
 Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week)
 Sweden: 112 – ask for Poisons Information

Organization that prepared the SDS : Product Safety and Toxicology Group
 E-mail address : SDS@CPChem.com
 Website : www.CPChem.com
 Appointees : 회사명: 리이치 24 시코리아(주).
 주소: 서울시 서초구 헌릉로 7,

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외국기업창업지원연구센터
(IKP) 908-909호
전화: +82-1067838981

This product is for experimental uses only. Please use caution while handling this product.

2. HAZARDS IDENTIFICATION**GHS Classification**

Acute toxicity (Oral) : Category 4
Reproductive toxicity : Category 1B
Specific target organ toxicity - repeated exposure : Category 2 (Immune system)

GHS label elements

Hazard pictograms



Signal Word : Danger

Hazard Statements : H302 Harmful if swallowed.
H360 May damage fertility or the unborn child.
H373 May cause damage to organs (Immune system) through prolonged or repeated exposure.

Precautionary Statements

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash the contact area thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

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P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents and container according to wastes control act.

Other hazards which do not result in classification

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS**Components**

Chemical name	Common Name	CAS-No.	Concentration (% w/w)
Sulfolane	tetrahydrothiophene-1,1-dioxide	126-33-0	>= 95 - <= 100

4. FIRST AID MEASURES

General advice	: Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
If swallowed	: Induce vomiting immediately and call a physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms	: No data available

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and effects, both acute and delayed	No data available
Notes to physician	: Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable and unsuitable extinguishing media**

Unsuitable extinguishing media : Do NOT use water jet.

Specific extinguishing methods : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapors/dust.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.



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Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Contains no substances with occupational exposure limit values.				
Sulfolane	126-33-0	TWA	0.37 ppm	CPC

Other ingredients, which are listed in section 3 but not listed in this section, do not have established occupational exposure limit values.

Engineering measures : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.
Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment. Among the following personal protective equipment, the PPEs which require safety certification need to be certified by KOSHA.

Respiratory protection : If ventilation or other engineering controls are not adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure, a supplied-air NIOSH approved respirator may be appropriate.
If exposure to harmful levels of airborne material may occur, a NIOSH approved respirator that provides protection may be appropriate, such as:
A positive pressure, air-supplying respirator may be appropriate if there is potential for uncontrolled release, aerosolization, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

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Eye protection	:	Eye wash bottle with pure water Tightly fitting safety goggles
Hand protection	:	
Remarks	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin and body protection	:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate: Protective suit Safety shoes
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	Clear
Odor	:	Mild
pH	:	Not applicable
Freezing point	:	26 °C
Pour point	:	No data available
Boiling point/boiling range	:	282 - 288 °C
Flash point	:	166 °C Method: closed cup
Evaporation rate	:	1
Self-ignition	:	No data available

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Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	1.14 MMHG (37.8 °C)
Solubility(ies) Water solubility	:	Miscible
Relative vapor density	:	3 (Air = 1.0)
Relative density	:	1.26 (30 °C)
Density	:	1.26 G/ML
Partition coefficient: n-octanol/water	:	log Pow: 0 (20 °C)
Viscosity Viscosity, kinematic	:	No data available
Oxidizing properties	:	No
Molecular weight	:	120.18 g/mol

10. STABILITY AND REACTIVITY

Chemical stability and possibility of hazardous reactions	:	Reactivity: Stable under recommended storage conditions. Chemical stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid	:	No data available
Incompatible materials	:	May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous decomposition products	:	Carbon oxides Sulfur oxides

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11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data available

Health hazard information**Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate: 505.05 mg/kg
Method: Calculation method

Components:**Sulfolane:**

Acute oral toxicity : LD50 (Rat, male and female): 2,068 mg/kg
Method: OECD Test Guideline 401
Assessment: 2 - toxic

Acute inhalation toxicity : LC50 (Rat, male and female): > 12000 mg/m3
Exposure time: 4 h
Test atmosphere: vapor
Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: Directive 67/548/EEC, Annex V, B.3.
Assessment: Not harmful

Skin corrosion/irritation**Components:****Sulfolane:**

Species : Rabbit
Result : No skin irritation

Serious eye damage/eye irritation**Components:****Sulfolane:**

Species : Rabbit
Result : No eye irritation

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Respiratory or skin sensitization**Components:****Sulfolane:**

Test Type	:	Maximization Test
Species	:	Guinea pig
Result	:	Did not cause sensitization on laboratory animals.

Assessment	Harmful if swallowed.
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Carcinogenicity**Components:****Sulfolane:**

Carcinogenicity - Assessment	:	Not available
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Germ cell mutagenicity**Components:****Sulfolane:**

Genotoxicity in vitro	:	Test Type: Ames test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative
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	:	Test Type: Mouse lymphoma assay Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative
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	:	Test Type: Sister Chromatid Exchange Assay Metabolic activation: with and without metabolic activation Result: negative
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	:	Test Type: Chromosome aberration test in vitro Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative
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	:	Test Type: Mouse lymphoma assay Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 490 Result: negative
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Germ cell mutagenicity- Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Reproductive toxicity**Components:****Sulfolane:**

May damage fertility or the unborn child.

Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

STOT-single exposure

No data available

STOT-repeated exposure**Components:****Sulfolane:**

Target Organs	: Immune system
Assessment	: May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity**Components:****Sulfolane:**

Species	: Rat, male
NOAEL	: 60 mg/kg
Application Route	: oral gavage
Exposure time	: 28 d
Number of exposures	: daily
Dose	: 60, 200, 700 mg/kg bw/day
Target Organs	: Kidney
Symptoms	: Hyaline droplet formation.

Species	: Rat, female
NOAEL	: 200 mg/kg
LOAEL	: 700 mg/kg
Application Route	: oral gavage
Exposure time	: 28 d
Number of exposures	: Daily



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Dose : 60, 200, 700 mg/kg bw/day
 Symptoms : Body weight depression, decrease in appetite

Species : Rat
 NOAEL : 20 mg/m3
 Application Route : Inhalation
 Test atmosphere : dust/mist
 Exposure time : 90-110 days
 Number of exposures : 23 hrs/d, 7d/wk
 Dose : 2.8, 4.0, 20 mg/m3
 Symptoms : No adverse effects.

Species : Guinea pig
 NOAEL : 159 mg/m3
 Application Route : Inhalation
 Test atmosphere : dust/mist
 Exposure time : 90-110 days
 Number of exposures : 23 hrs/d, 7 d/wk
 Dose : 4.0, 20, 159, 200 mg/m3
 Target Organs : Lungs, Blood, Liver

Species : Rat, male
 NOAEL : 8.8 mg/kg
 Application Route : oral (drinking water)
 Exposure time : 13 wk
 Number of exposures : Daily
 Dose : 2.1, 8.8, 35, 131.7 mg/kg/d
 Method : OECD Test Guideline 408
 Target Organs : Kidney
 Symptoms : Hyaline droplet formation.

Species : Rat, female
 NOAEL : 2.9 mg/kg
 Application Route : oral (drinking water)
 Exposure time : 13 wk
 Number of exposures : Daily
 Dose : 2.9, 10.6, 42, 191.1 mg/kg/d
 Method : OECD Test Guideline 408
 Target Organs : Immune system
 Symptoms : leukopenia

Species : Rat, male and female
 NOAEL : 200 mg/kg
 Application Route : oral gavage
 Exposure time : 100 d
 Number of exposures : Daily
 Dose : 80, 200, 500 mg/kg

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Method : OECD Test Guideline 443
Target Organs : Immune system
Symptoms : leukopenia

Repeated dose toxicity - Assessment : Harmful if swallowed.

Aspiration toxicity**Product:**

No aspiration toxicity classification

Components:**Sulfolane:**

No aspiration toxicity classification

Experience with human exposure

No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information**Product:**

Remarks : No data available

12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : This material is not expected to be harmful to aquatic organisms.

Chronic aquatic toxicity : This material is not expected to be harmful to aquatic organisms.

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Components:**Sulfolane:**

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)): > 100 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 852 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 500 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes

NOEC (Pseudokirchneriella subcapitata (green algae)): 171 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes

Ecotoxicology Assessment

Acute aquatic toxicity : This material is not expected to be harmful to aquatic organisms.

Chronic aquatic toxicity : This material is not expected to be harmful to aquatic organisms.

Persistence and degradability**Components:****Sulfolane:**

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 10.1 %
Exposure time: 14 d
Method: OECD Test Guideline 301C

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Bioaccumulative potential**Components:****Sulfolane:**

Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): < 1.3
Remarks: This material is not expected to bioaccumulate.

Mobility in soil**Components:****Sulfolane:**

Mobility : Remarks: Groundwater contamination is possible.

Other adverse effects**Product:**

Additional ecological information : This material is not expected to be harmful to aquatic organisms.

No data available

Components:**Sulfolane:**

Results of PBT and vPvB assessment : Non-classified vPvB substance
Non-classified PBT substance

Additional ecological information : This material is not expected to be harmful to aquatic organisms.

Endocrine disrupting properties

No data available

13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

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Dispose of as unused product.
Do not re-use empty containers.

Disposal precautions

Dispose of contents and container according to wastes control act.

14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

Not regulated as a dangerous good

UN/ID No.	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
Packing instruction (cargo aircraft)	: Not applicable
Packing instruction (passenger aircraft)	: Not applicable

IMDG-Code

Not regulated as a dangerous good

UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
EmS Code	: Not applicable
Marine pollutant	: no

Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

Domestic regulation

Refer to section 15 for specific national regulation.

Special precautions for user

Not applicable

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15. REGULATORY INFORMATION**National regulatory information****Regulation under the Occupational Safety and Health Act****Harmful Substances Prohibited from Manufacturing**

Not applicable

Harmful Substances Required Permission for Manufacture

Not applicable

Harmful Agents to be kept below Occupational Exposure Limits

Not applicable

Harmful Agents Required to be kept below Permission Levels

Not applicable

Hazardous substances requiring management

Not applicable

Special Management Materials

Not applicable

Controlled Substances Subject to Environment Monitoring

Not applicable

Controlled Substances Subject to Health Examination

Not applicable

Hazardous Substances Subject to Process Safety Management (PSM) Reporting Obligation

Not applicable

K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 1)

Not applicable

K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 9)

Not applicable

Regulation under the Chemicals Control Act**Toxic Chemicals**

Not applicable

Restricted Chemicals

Not applicable

Prohibited Chemicals

Not applicable

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Toxic Release Inventory

Not applicable

Accident Precaution Chemicals

Not applicable

Chemicals of Acute and Chronic Hazard to Human Health and the Environment**Substances Acutely hazardous to humans**

Not applicable

Substances Chronically hazardous to humans

Not applicable

Substances Hazardous to the environment

Not applicable

Accident Precaution Chemicals

Not applicable

Toxic Release Inventory

Not applicable

Act on Registration and Evaluation of Chemical Substances (K-REACH)**Restricted Chemicals**

Not applicable

Prohibited Chemicals

Not applicable

Substances with Unconfirmed Hazards

Not applicable

Dangerous Substances Safety Management Act

Classification : Group 4, Flammable liquids, Type 3 petroleum, Water insoluble liquid

Hazard rank : Hazardous rank III

Designated Quantity : 2000 liter

Safety Warning : Keep away from fire

International Chemical Weapons Convention (CWC) : Neither banned nor restricted
Schedules of Toxic Chemicals and Precursors

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Waste Control Act

Industrial waste

Follow article 13 of the act to dispose the product waste

Industrial general wastes

Follow article 13 of the act to dispose the product waste

Other requirements in domestic and other countries**The ingredients of this product are reported in the following inventories:**

EU REACH	: This product is in full compliance according to REACH regulation 1907/2006/EC.
CH INV	: On the inventory, or in compliance with the inventory
TSCA	: On or in compliance with the active portion of the TSCA inventory
DSL	: All components of this product are on the Canadian DSL
AU AIIC	: On the inventory, or in compliance with the inventory
NZIoC	: Does not have an individual approval but may be used under an appropriate group standard
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations.
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TW TCSI	: On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

Issuing date : 2009-10-27

Revision number and date

Number of Revision	: 1.1
Revision Date	: 2026-06-25
Date format	: yyyy/mm/dd

SAFETY DATA SHEET



Sulfolane - A Anhydrous

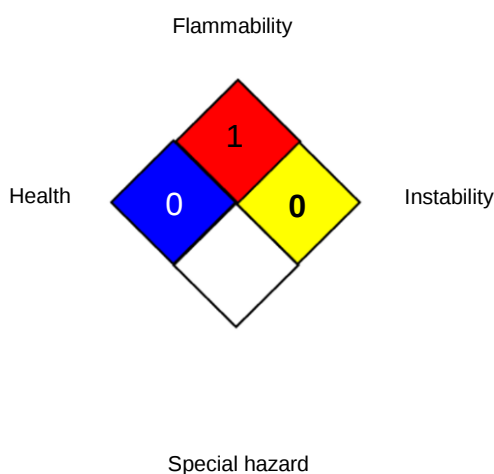
Version 1.1

Revision Date 2026-06-25

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Version	Revision Date:	SDS Number (Internal):	Date of last issue: -
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NFPA:



Full text of other abbreviations

CPC : Chevron Phillips Chemical Company LP

CPC / TWA : Time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development;

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OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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