

SOLTROL® 130 Isoparaffin Solvent

Version 2.7

Revision Date 2016-05-23

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product information**

Product Name : SOLTROL® 130 Isoparaffin Solvent
 Material : 1081152, 1081139, 1081138, 1081141, 1017343, 1017344,
 1017345, 1017346, 1017348, 1017349, 1017350, 1017351,
 1017347

EC-No.Registration number

Chemical name	CAS-No. EC-No. Index No.	Legal Entity Registration number
C12-C14 Isoalkanes	68551-19-9 271-369-5	Chevron Phillips Chemicals International NV 01-2119491311-45-0000

Relevant Identified Uses Supported : Manufacture
 Formulation
 Distribution
 Use in coatings – industrial
 Use as a cleaning agent – industrial
 Lubricants - Industrial
 Metal working fluids / rolling oils - Industrial
 Functional Fluids - Industrial
 Use as a laboratory agent – industrial
 Use in polymer processing – industrial
 Use in polymer production – industrial
 Use in Water Treatment Chemicals
 Use in coatings – professional
 Use as a cleaning agent – professional
 Lubricants - Professional
 Metal working fluids / rolling oils – Professional
 Use as a fuel – professional
 Functional Fluids - Professional
 Use as a laboratory agent – professional
 Use in polymer processing – professional
 Use in Coatings - Consumer
 Use as a cleaning agent – consumer
 Use as a fuel – consumer
 Functional Fluids - Consumer
 Use as a propellant – consumer

Company : Chevron Phillips Chemical Company LP

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Specialty Chemicals
10001 Six Pines Drive
The Woodlands, TX 77380

Local : Chevron Phillips Chemicals International N.V.
Airport Plaza (Stockholm Building)
Leonardo Da Vincilaan 19
1831 Diegem
Belgium

SDS Requests: (800) 852-5530
Technical Information: (832) 813-4862
Responsible Party: Product Safety Group
Email:sds@cpchem.com

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: +800 CHEMCALL (+800 2436 2255) China:+86-21-22157316
EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

Responsible Department : Product Safety and Toxicology Group
E-mail address : SDS@CPChem.com
Website : www.CPChem.com

SECTION 2: Hazards identification**Classification of the substance or mixture
REGULATION (EC) No 1272/2008**

Aspiration hazard, Category 1 H304:
May be fatal if swallowed and enters airways.

Label elements**Labeling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H304 May be fatal if swallowed and enters airways.

Precautionary Statements : **Response:**
P301 + P310 IF SWALLOWED: Immediately call a
POISON CENTER/doctor.
P331 Do NOT induce vomiting.

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Storage:

P405

Store locked up.

Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients which must be listed on the label:

- 68551-19-9 C12-C14 Isoalkanes

Additional Labeling:

EUH066 Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients

Synonyms : Isoalkanes
Isoparaffins
Aliphatic hydrocarbon

Molecular formula : UVCB

Mixtures**Hazardous ingredients**

Chemical name	CAS-No. EC-No. Index No.	Classification (REGULATION (EC) No 1272/2008)	Concentration [wt%]
C12-C14 Isoalkanes	68551-19-9 271-369-5	Asp. Tox. 1; H304	100

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

General advice : Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Material may produce a serious, potentially fatal pneumonia if swallowed or vomited.

If inhaled : If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water. If on clothes, remove clothes.

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 swallowed : Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

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SECTION 5: Firefighting measures

Flash point	:	61 °C (142 °F) Method: Tag closed cup
Autoignition temperature	:	230 °C (446 °F)
Suitable extinguishing media	:	Alcohol-resistant foam. Carbon dioxide (CO ₂). Dry chemical. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	:	High volume water jet.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	:	For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Fire and explosion protection	:	Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
Hazardous decomposition products	:	Carbon oxides.

SECTION 6: Accidental release measures

Personal precautions	:	Use personal protective equipment. Ensure adequate ventilation.
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 for cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.
A quantitative risk assessment is not required for human health.		
A quantitative risk assessment is not required for the environment.		

SECTION 7: Handling and storage**Handling**

Advice on safe handling	:	Avoid formation of aerosol. Do not breathe vapors/dust. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
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Advice on protection against fire and explosion : Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.

Storage

Requirements for storage areas and containers : No smoking. 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.

SECTION 8: Exposure controls/personal protection**Chevron Phillips Chemical Company LP**

Ingredients	Basis	Value	Control parameters	Note
C12-C14 Isoalkanes	Manufacturer	TWA	1.200 mg/m3	RCP,

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

Respiratory protection : Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as: Air-Purifying Respirator for Organic Vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

Hand protection : 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.

Eye protection : Eye wash bottle with pure water. Tightly fitting safety goggles.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear as appropriate: Flame-resistant clothing. Footwear protecting against chemicals.

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Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

A quantitative risk assessment is not required for human health.
A quantitative risk assessment is not required for the environment.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties****Appearance**

Form : Liquid
Physical state : Liquid
Color : Colorless at room temperature
Odor : Mild, Hydrocarbon

Safety data

Flash point : 61 °C (142 °F)
Method: Tag closed cup

Lower explosion limit : 0,68 %(V)

Upper explosion limit : 5,4 %(V)

Oxidizing properties : no

Autoignition temperature : 230 °C (446 °F)

Thermal decomposition : No data available

Molecular formula : UVCB

Molecular weight : Not applicable

pH : 7

Pour point : No data available

Boiling point/boiling range : 179 - 210 °C (354 - 410 °F)

Vapor pressure : 2,60 MMHG
at 38 °C (100 °F)

Relative density : 0,76
at 15,6 °C (60,1 °F)

Water solubility : Negligible

Partition coefficient: n-octanol/water : No data available

Viscosity, kinematic : 1,5 cSt
at 38 °C (100 °F)

Relative vapor density : 3
(Air = 1.0)

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Evaporation rate : 1
 Percent volatile : > 99 %

SECTION 10: Stability and reactivity

Chemical stability : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions

Conditions to avoid : Heat, flames and sparks.
 Materials to avoid : May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
 Thermal decomposition : No data available
 Hazardous decomposition products : Carbon oxides
 Other data : No decomposition if stored and applied as directed.

SECTION 11: Toxicological information**Acute oral toxicity**

C12-C14 Isoalkanes : LD50: > 5000 milligram per kilogram
 Species: Rat
 Method: OECD Test Guideline 401
 Information given is based on data obtained from similar substances.

Acute inhalation toxicity

C12-C14 Isoalkanes : LC50: > 5.0milligram per literExposure time: 4 h
 Species: Rat
 Test atmosphere: vapor
 Method: OECD Test Guideline 403
 An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.
 Information given is based on data obtained from similar substances.

Skin irritation

C12-C14 Isoalkanes : No skin irritation
 Information given is based on data obtained from similar substances.

Eye irritation

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C12-C14 Isoalkanes : No eye irritation
Information given is based on data obtained from similar substances.

Sensitization

C12-C14 Isoalkanes : Classification: Did not cause sensitization on laboratory animals.
Information given is based on data obtained from similar substances.

Repeated dose toxicity

C12-C14 Isoalkanes : Species: Monkey
Application Route: Inhalation
Dose: 0, 654 ppm
Exposure time: 4 wk
Number of exposures: 6 h/d, 3 d/wk
NOEL: > 654 ppm
Method: OECD Test Guideline 412

Species: Rat, male and female
Sex: male and female
Application Route: oral gavage
Dose: 0, 25, 150, 1000 mg/kg/d
Exposure time: 4 wk
Number of exposures: daily
NOEL: >= 1000 mg/kg/d
Method: OECD Guideline 422
Information given is based on data obtained from similar substances.

Reproductive toxicity

C12-C14 Isoalkanes : Species: Rat
Sex: male
Application Route: oral gavage
Dose: 0, 750, 1500, 3000 mg/kg/bw/d
Number of exposures: daily
Test period: 90 d
Method: OECD Test Guideline 415
NOAEL Parent: >= 3000 mg/kg/bw/d
Information given is based on data obtained from similar substances.

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Species: Rat
 Sex: female
 Application Route: oral gavage
 Dose: 0, 750, 1500 mg/kg/bw/d
 Number of exposures: daily
 Test period: 90 d
 Method: OECD Test Guideline 415
 NOAEL Parent: \geq 1500 mg/kg/bw/d
 NOAEL F1: 750 mg/kg/bw/d
 Information given is based on data obtained from similar substances.

Species: Rat
 Sex: male and female
 Application Route: inhalation (vapor)
 Dose: 100, 300 ppm
 Number of exposures: 6 h/d/5d/wk
 Test period: 8 wk
 Method: OECD Guideline 421
 NOAEL Parent: \geq 300 ppm
 NOAEL F1: \geq 300 ppm
 Information given is based on data obtained from similar substances.

Developmental Toxicity

C12-C14 Isoalkanes

: Species: Rat
 Application Route: Inhalation
 Dose: 100, 300 ppm
 Exposure time: GD 6-15
 Number of exposures: 6 h/d
 NOAEL Teratogenicity: \geq 300 ppm
 Information given is based on data obtained from similar substances.

Species: Rat
 Application Route: Inhalation
 Dose: 300, 900 ppm
 Exposure time: GD 6-15
 Number of exposures: 6 h/d
 Method: OECD Guideline 414
 NOAEL Teratogenicity: \geq 900 ppm
 NOAEL Maternal: \geq 900 ppm
 Information given is based on data obtained from similar substances.

Species: Rat
 Application Route: oral gavage
 Dose: 0, 500, 1000, 1500 mg/kg/d
 Exposure time: GD 6-15
 Number of exposures: Daily
 Method: OECD Guideline 414
 NOAEL Teratogenicity: 1.000 mg/kg
 NOAEL Maternal: 500 mg/kg
 Information given is based on data obtained from similar substances.

Aspiration toxicity

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C12-C14 Isoalkanes : May be fatal if swallowed and enters airways.

CMR effects

C12-C14 Isoalkanes : Carcinogenicity: Limited evidence of carcinogenicity in animal studies
 Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects., In vivo tests did not show mutagenic effects
 Teratogenicity: Animal testing did not show any effects on fetal development.
 Reproductive toxicity: No adverse effects expected

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Further information : Solvents may degrease the skin.

SECTION 12: Ecological information**Toxicity to fish**

C12-C14 Isoalkanes : LL50: > 1.000 mg/l
 Exposure time: 96 h
 Species: Oncorhynchus mykiss (rainbow trout)
 semi-static test Method: OECD Test Guideline 203
 Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates

C12-C14 Isoalkanes : EL50: > 1.000 mg/l
 Exposure time: 48 h
 Species: Daphnia magna (Water flea)
 static test Method: OECD Test Guideline 202
 Information given is based on data obtained from similar substances.

Toxicity to algae

C12-C14 Isoalkanes : EL50: > 1.000 mg/l
 Exposure time: 72 h
 Species: Pseudokirchneriella subcapitata (green algae)
 Growth inhibition Method: OECD Test Guideline 201
 Information given is based on data obtained from similar substances.

Toxicity to fish (Chronic toxicity)

C12-C14 Isoalkanes : NOELR: 0,316 mg/l
 Exposure time: 28 d
 Species: Oncorhynchus mykiss (rainbow trout)
 Method: QSAR modeled data

Biodegradability

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C12-C14 Isoalkanes : aerobic
 31 %
 Testing period: 28 d
 Method: OECD Test Guideline 301F
 Information given is based on data obtained from similar substances.
 Expected to be inherently biodegradable.

Results of PBT assessment
 C12-C14 Isoalkanes : Non-classified PBT substance, Non-classified vPvB substance

Additional ecological information
 C12-C14 Isoalkanes : This material is not expected to be harmful to aquatic organisms.

SECTION 13: Disposal considerations

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product : 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. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

A quantitative risk assessment is not required for human health.
 A quantitative risk assessment is not required for the environment.

SECTION 14: Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)
 NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR
 TRANSPORTATION BY THIS AGENCY.

Testing (ASTM D4206) has shown product does not sustain combustion.

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IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Other information	: Noxious Liquid, NF, (7), N.O.S. (Soltrol 130 contains iso and cyclo- alkanes (C10-C11)) S.T.3, Cat. Y
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SECTION 15: Regulatory information**National legislation****Chemical Safety Assessment**

Ingredients : Alkanes, C12-14-iso- A Chemical Safety Assessment 271-369-5 has been carried out for this substance.

Major Accident Hazard Legislation : 96/82/EC Update: 2003 Directive 96/82/EC does not apply

Water contaminating class (Germany) : WGK 1 slightly water endangering

Notification status

Europe REACH : On the inventory, or in compliance with the inventory
 United States of America TSCA : On the inventory, or in compliance with the inventory
 Canada DSL : On the inventory, or in compliance with the inventory

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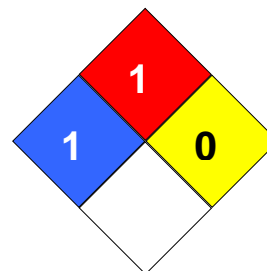
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Australia AICS	:	On the inventory, or in compliance with the inventory
New Zealand NZIoC	:	Not in compliance with the inventory
Japan ENCS	:	On the inventory, or in compliance with the inventory
Korea KECI	:	On the inventory, or in compliance with the inventory
Philippines PICCS	:	On the inventory, or in compliance with the inventory
China IECSC	:	On the inventory, or in compliance with the inventory

SECTION 16: Other information

NFPA Classification : Health Hazard: 1
Fire Hazard: 1
Reactivity Hazard: 0

**Further information**

Legacy SDS Number : 29020

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

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.

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic

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GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

Full text of H-Statements referred to under sections 2 and 3.

H304 May be fatal if swallowed and enters airways.