



NanoSlide

Version 1.0

Revision Date 2026-05-01

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

Product information

Product Name : NanoSlide
 Material : 1131477
 Use : Lubricant
Company : Chevron Phillips Chemical Company LP
 Drilling Specialties Company LLC
 9500 Lakeside Blvd.
 The Woodlands, TX 77381

Local : If Applicable, Please insert the Canadian importer's address and telephone number as required by Hazardous Products Regulation HPR (Workplace Hazardous Materials Information System WHMIS).

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

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)

NanoSlide

Version 1.0

Revision Date 2026-05-01

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

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

SECTION 2: Hazards identification

Classification of the substance or mixture
Hazardous Products Regulations

Classification

: Acute toxicity, Category 4, Inhalation
 Serious eye damage, Category 1
 Aspiration hazard, Category 1

Labeling

Symbol(s)



Signal Word

: Danger

Hazard Statements

: H304: May be fatal if swallowed and enters airways.
 H318: Causes serious eye damage.
 H332: Harmful if inhaled.

Precautionary Statements

: **Prevention:**

NanoSlide

Version 1.0

Revision Date 2026-05-01

P261: Avoid breathing mist or vapors.
 P271: Use only outdoors or in a well-ventilated area.
 P280: Wear eye protection/ face protection.
Response:
 P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P304 + P340 + P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
 P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
 P331: Do NOT induce vomiting.
Storage:
 P405: Store locked up.
Disposal:
 P501: Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: Composition/information on ingredients

Chemical name	CAS-No. / EINECS-No.	Concentration [wt%]
1-Decene, Dimer Unhydrogenated	17438-89-0	0 - 75
1-Dodecene, Dimer Unhydrogenated	62132-67-6	0 - 75
Alcohols, C12-15, ethoxylated	68131-39-5	1 - 10
Sodium Sulfite	7757-83-7	1 - 10
1-Decene	872-05-9	0 - 1
1-Dodecene	112-41-4	0 - 1

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

SECTION 4: First aid measures

- General advice : Move out of dangerous area. Consult a physician. 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 : Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. 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. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
 Keep respiratory tract clear. Do NOT induce vomiting. Do not

NanoSlide

Version 1.0

Revision Date 2026-05-01

Notes to physician

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.

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

- Flash point : 145-190°C (293-374°F)
Method: ASTM D 93
- Unsuitable extinguishing media : High volume water jet.
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Fire and explosion protection : Normal measures for preventive fire protection.

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

SECTION 7: Handling and storage**Handling**

- Advice on safe handling : Avoid formation of aerosol. Do not breathe vapors/dust. Avoid contact with skin and eyes. 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. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.

NanoSlide

Version 1.0

Revision Date 2026-05-01

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

Storage

Requirements for storage areas and containers : 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. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Use : Lubricant

SECTION 8: Exposure controls/personal protection**Ingredients with workplace control parameters****CA**

Components	Basis	Value	Control parameters	Note
Graphite	CA BC OEL	TWA	2 mg/m ³	Respirable
	CA QC OEL	TWAEV	5 mg/m ³	Note 1, respirable dust
	CA QC OEL	TWAEV	10 mg/m ³	Note 1, total dust
	CA QC OEL	TWAEV	2 mg/m ³	Note 1, respirable dust
	CA QC OEL	TWAEV	5 mg/m ³	Respirable fibres
	CA QC OEL	TWAEV	10 mg/m ³	Total fibres
	CA QC OEL	TWAEV	2 mg/m ³	respirable dust
	CA AB OEL	TWA	2 mg/m ³	Respirable

Note 1 The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1 %.

Engineering measures**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. 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 : 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: Air-Purifying Respirator for Dusts and Mists. 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.

NanoSlide

Version 1.0

Revision Date 2026-05-01

- 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.
- 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. Complete head face and neck protection. Rubber apron. Footwear protecting against chemicals. 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.

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

- Form : liquid
- Physical state : liquid
- Color : Black
- Odor : Slight
- Odor Threshold : Not applicable

Safety data

- Flash point : 145-190°C (293-374°F)
Method: ASTM D 93
- Lower explosion limit : No data available
- Upper explosion limit : No data available
- pH : Not applicable
- Melting point/freezing point : Not applicable
- Pour point : -6°C (21°F)
- Initial boiling point and boiling range : Not applicable
- Vapor pressure : No data available
- Relative density : Not applicable
- Density : 0.89 - 0.93 g/cm³
Method: ASTM D4052

NanoSlide

Version 1.0

Revision Date 2026-05-01

Water solubility : partly soluble

Viscosity, kinematic : Not applicable

Evaporation rate : Not applicable

SECTION 10: Stability and reactivity

Reactivity : Stable at normal ambient temperature and pressure.

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 reactions : Further information: No decomposition if stored and applied as directed.

Conditions to avoid : No data available.

Other data : No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

NanoSlide

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Acute inhalation toxicity

1-Decene, Dimer Unhydrogenated : LC50: 1.17 mg/l
Exposure time: 4 h
Species: Rat
Test atmosphere: dust/mist
Harmful if inhaled.
Information given is based on data obtained from similar substances.

1-Dodecene, Dimer Unhydrogenated : LC50: 1.71 mg/l
Exposure time: 4 h
Species: Rat
Sex: female
Test atmosphere: dust/mist
Harmful if inhaled.
Information given is based on data obtained from similar substances.

NanoSlide

Version 1.0

Revision Date 2026-05-01

LC50: > 5.06 mg/l
 Exposure time: 4 h
 Species: Rat
 Sex: males
 Test atmosphere: dust/mist
 Information given is based on data obtained from similar substances.

1-Decene
 LC50: > 2.1 mg/l
 Exposure time: 4 h
 Species: Rat
 Sex: male and female
 Test atmosphere: vapor
 Method: OECD Test Guideline 403
 Information given is based on data obtained from similar substances.
 Not classified due to data which are conclusive although insufficient for classification.

1-Dodecene
 Not classified due to data which are conclusive although insufficient for classification.

NanoSlide**Acute dermal toxicity**

: Acute toxicity estimate: > 2,000 mg/kg
 Method: Calculation method

Skin irritation

1-Decene, Dimer Unhydrogenated : No skin irritation. Information given is based on data obtained from similar substances.
 1-Dodecene, Dimer Unhydrogenated : No skin irritation. Information given is based on data obtained from similar substances.
 Alcohols, C12-15, ethoxylated : No skin irritation
 Sodium Sulfite : No skin irritation

1-Decene : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

1-Dodecene : No skin irritation

NanoSlide**Eye irritation**

: May cause irreversible eye damage.

Sensitization

1-Decene, Dimer Unhydrogenated : Did not cause sensitization on laboratory animals. Information given is based on data obtained from similar substances.
 1-Dodecene, Dimer Unhydrogenated : Did not cause sensitization on laboratory animals. Information given is based on data obtained from similar substances.
 Sodium Sulfite : Did not cause sensitization on laboratory animals. Information given is based on data obtained from similar substances.

1-Decene : Did not cause sensitization on laboratory animals. Information given is based on data obtained from similar substances.

NanoSlide

Version 1.0

Revision Date 2026-05-01

1-Dodecene

Did not cause sensitization on laboratory animals.

Repeated dose toxicity

Sodium Sulfite

: No adverse effects expected

1-Decene

Species: Rat, Male and female

Sex: Male and female

Application Route: Oral

Dose: 0, 100, 500, 1000 mg/kg

Exposure time: 13 wks

Number of exposures: 7 d/wk

NOEL: 1,000 mg/kg

Method: OCED Guideline 408

Information given is based on data obtained from similar substances.

Species: Rat, Male and female

Sex: Male and female

Application Route: Inhalation

Dose: 0, 300, 1000, 3000 ppm

Exposure time: 13 wks

Number of exposures: 6 hr/d, 5 d/wk

NOEL: 3000 ppm

Method: OECD Guideline 413

Information given is based on data obtained from similar substances.

1-Dodecene

Species: Rat, Male and female

Sex: Male and female

Application Route: Oral diet

Dose: 0, 100, 500, 1000 mg/kg

Exposure time: 13 wk

Number of exposures: daily

NOEL: 1,000 mg/kg

Method: OCED Guideline 408

Information given is based on data obtained from similar substances.

Species: Rat, Male and female

Sex: Male and female

Application Route: Inhalation

Dose: 0, 300, 1000, 3000 ppm

Exposure time: 13 wk

Number of exposures: 6 hrs/d, 5 d/wk

NOEL: 3000 ppm

Method: OECD Guideline 413

Information given is based on data obtained from similar substances.

Genotoxicity in vitro

Sodium Sulfite

: Test Type: Ames test

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

1-Decene

Test Type: Ames test

Metabolic activation: with and without metabolic activation

NanoSlide

Version 1.0

Revision Date 2026-05-01

Method: Mutagenicity (Escherichia coli - reverse mutation assay)
Result: negative

Test Type: Mammalian cell gene mutation assay
Metabolic activation: with and without metabolic activation
Method: OECD Guideline 476
Result: negative

Test Type: Chromosome aberration test in vitro
Metabolic activation: with and without metabolic activation
Method: OECD Guideline 473
Result: negative

1-Dodecene

Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Test Type: Chromosome aberration test in vitro
Method: OECD Guideline 473
Result: negative

Genotoxicity in vivo

1-Decene

: Test Type: Micronucleus test
Species: Mouse
Method: Mutagenicity (micronucleus test)
Result: negative

Reproductive toxicity

Sodium Sulfite

: No adverse effects expected

1-Decene

Species: Rat
Sex: male
Application Route: Oral diet
Dose: 0, 100, 500, 1000 mg/kg
Method: OECD Guideline 421
NOAEL Parent: 1,000 mg/kg
NOAEL F1: 1,000 mg/kg

1-Dodecene

Species: Rat
Sex: male
Application Route: Oral diet
Dose: 0, 100, 500, or 1000 mg/kg
Exposure time: 44 D
Number of exposures: daily
Method: OECD Guideline 421
NOAEL Parent: 1,000 mg/kg
NOAEL F1: 1,000 mg/kg

NanoSlide

Version 1.0

Revision Date 2026-05-01

Species: Rat
 Sex: female
 Application Route: Oral diet
 Dose: 0, 100, 500, or 1000 mg/kg
 Exposure time: 41-55 D
 Number of exposures: daily
 Method: OECD Guideline 421
 NOAEL Parent: 1,000 mg/kg
 NOAEL F1: 1,000 mg/kg

Developmental Toxicity

Sodium Sulfite : No adverse effects expected

Aspiration toxicity

1-Decene, Dimer Unhydrogenated : May be fatal if swallowed and enters airways.
 1-Dodecene, Dimer Unhydrogenated : May be fatal if swallowed and enters airways.
 1-Decene : May be fatal if swallowed and enters airways.
 1-Dodecene : May be fatal if swallowed and enters airways.

Toxicology Assessment

NanoSlide
Acute effects : Harmful if inhaled.

CMR effects

1-Decene : Carcinogenicity: Not available
 Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
 Teratogenicity: Animal testing did not show any effects on fetal development.
 Reproductive toxicity: Animal testing did not show any effects on fertility.

1-Dodecene : Carcinogenicity: Not available
 Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
 Teratogenicity: Not available
 Reproductive toxicity: Animal testing did not show any effects on fertility.

NanoSlide
Further information : Solvents may decrease the skin.

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

Alcohols, C12-15, ethoxylated : LC50: > 0.032 mg/l
 Exposure time: 96 h
 Species: Cyprinodon variegatus (sheepshead minnow)
 semi-static test Method: OECD Test Guideline 203

NanoSlide

Version 1.0

Revision Date 2026-05-01

Sodium Sulfite	LC50: 215 - 464 mg/l Species: Leuciscus idus (Golden orfe) Information given is based on data obtained from similar substances.
1-Decene	LC50: 0.12 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.
1-Dodecene	No toxicity at the limit of solubility.

Toxicity to daphnia and other aquatic invertebrates

Alcohols, C12-15, ethoxylated	: EC50: 0.26 mg/l Exposure time: 48 h Species: Acartia tonsa (Marine Copepod) static test Method: ISO TC147/SC5/WG2
Sodium Sulfite	EC50: 118 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Information given is based on data obtained from similar substances.
1-Decene	EC50: 0.56 - 1 mg/l Exposure time: 48 h Species: Daphnia Method: OECD Test Guideline 202
1-Dodecene	No toxicity at the limit of solubility.

Toxicity to algae

Alcohols, C12-15, ethoxylated	: ErC50: 0.41 mg/l Exposure time: 72 h Species: Skeletonema costatum (Marine Algae) Method: ISO 10253
Sodium Sulfite	EC50: 63 - 126 mg/l Exposure time: 96 h Species: Chlamydomonas reinhardtii (green algae)
1-Decene	EC50: 1 - 1.8 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (microalgae) Method: OECD Test Guideline 201
1-Dodecene	No toxicity at the limit of solubility.

M-Factor

Alcohols, C12-15, ethoxylated : M-Factor (Acute Aquat. Tox.) 1

M-Factor

dec-1-ene M-Factor (Acute Aquat. Tox.) 1

NanoSlide

Version 1.0

Revision Date 2026-05-01

M-Factor (Chron. Aquat. Tox.) 1

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

1-Decene : NOEC: 0.0194 mg/l
 Exposure time: 21 d
 Species: Daphnia magna (Water flea)
 Analytical monitoring: yes
 Test substance: yes
 Method: OECD Test Guideline 211

Biodegradability

1-Decene, Dimer : This material is not expected to be readily biodegradable.
 Unhydrogenated Expected to be inherently biodegradable.

1-Dodecene, Dimer : This material is not expected to be readily biodegradable.
 Unhydrogenated Expected to be inherently biodegradable.

Alcohols, C12-15, : aerobic
 ethoxylated Result: Readily biodegradable.
 61 %
 Testing period: 28 d
 Method: OECD Test Guideline 301B
 The 10 day time window criterion is not fulfilled.

1-Decene : This material is expected to be readily biodegradable.

1-Dodecene : 74.1 - 80 %
 Testing period: 28 d
 Method: OECD Test Guideline 301
 This material is expected to be readily biodegradable.

Bioaccumulation

Alcohols, C12-15, : This material is not expected to bioaccumulate.
 ethoxylated

1-Decene : No data available

1-Dodecene : No data available

Mobility

Alcohols, C12-15, : Adsorption to solid soil phase is possible.
 ethoxylated

1-Decene : No data available

1-Dodecene : No data available

Results of PBT assessment

1-Decene, Dimer : Not persistent, bioaccumulative, and toxic (PBT),. Not very
 Unhydrogenated persistent and very bioaccumulative (vPvB).

NanoSlide

Version 1.0

Revision Date 2026-05-01

1-Dodecene, Dimer Unhydrogenated	: Not persistent, bioaccumulative, and toxic (PBT)., Not very persistent and very bioaccumulative (vPvB).
1-Decene	: Non-classified PBT substance, Non-classified vPvB substance
1-Dodecene	: Non-classified PBT substance, Non-classified vPvB substance
Additional ecological information	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life.

Ecotoxicology Assessment

Short-term (acute) aquatic hazard

Sodium Sulfite	: This material is not expected to be harmful to aquatic organisms.
1-Decene	: Very toxic to aquatic life.
1-Dodecene	: This material is not expected to be harmful to aquatic organisms.

Long-term (chronic) aquatic hazard

Sodium Sulfite	: This material is not expected to be harmful to aquatic organisms.
1-Decene	: Very toxic to aquatic life with long lasting effects.

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	: The product should not be allowed to enter drains, water courses or the soil. 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.

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

NanoSlide

Version 1.0

Revision Date 2026-05-01

bill of lading.

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)

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

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (ALCOHOLS, C12-15, ETHOXYLATED), 9, III, (145 - 190 °C c.c.), MARINE POLLUTANT, (ALCOHOLS, C12-15, ETHOXYLATED)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (ALCOHOLS, C12-15, ETHOXYLATED), 9, III

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

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (ALCOHOLS, C12-15, ETHOXYLATED), 9, III, (-)

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

90, UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

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

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (ALCOHOLS, C12-15, ETHOXYLATED), 9, III

Maritime transport in bulk according to IMO instruments**SECTION 15: Regulatory information****National legislation****Canadian PBT Chemicals** : This product does not contain any components on the DSL that are classified as Persistent, Bioaccumulative and Toxic (PBT) under CEPA.**Notification status**

Europe EU REACH	:	Not in compliance with the inventory
Switzerland CH INV	:	Not in compliance with the inventory
United States of America (USA) TSCA	:	All substances listed as active on the TSCA inventory
Canada NDSL	:	This product contains one or several components listed in the Canadian NDSL.
Australia AU AIIC	:	Not in compliance with the inventory
New Zealand NZIoC	:	Not in compliance with the inventory

NanoSlide

Version 1.0

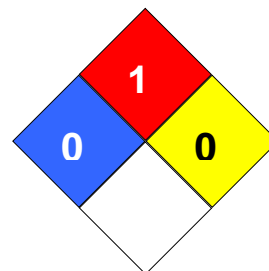
Revision Date 2026-05-01

Japan ENCS : Not in compliance with the inventory
 Korea KECI : Not in compliance with the inventory
 Philippines PICCS : Not in compliance with the inventory
 Taiwan TW TCSI : Not in compliance with the inventory
 China IECSC : Not in compliance with the inventory

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

SECTION 16: Other information

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



Revision Date : 2026-05-01

Date of last issue : -

Print Date : 2026-05-04

Further information

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%
AIRC	Australian Inventory of Industrial Chemicals	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	PICCS	Philippines Inventory of

NanoSlide

Version 1.0

Revision Date 2026-05-01

	Chemical Substances		Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
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%	ATE	Acute toxicity estimate