

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

According to Regulation (EC) No. 1907/2006, Regulation (EC) No. 2020/878

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Product information**

Product Name : ORFOM® SX-11 (Solvent Extraction Diluent)  
 Material : 1116964, 1103227, 1098695, 1036313, 1016873, 1016874

**EC-No.Registration number**

Chemical name	CAS-No. EC-No. Index No.	Legal Entity Registration number
Hydrocarbons, C13- C16, Isoalkanes, less than 2% aromatics		Chevron Phillips Chemical Company LP 01-2120768767-33-0000

**1.2****Relevant identified uses of the substance or mixture and uses advised against**

Relevant Identified Uses Supported : Use in mining – industrial  
 Use as a fuel - industrial  
 Use as a fuel – professional

**1.3****Details of the supplier of the safety data sheet**

**Company** : Chevron Phillips Chemical Company LP  
 Mining 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  
 Responsible Party: Product Safety Group  
 Email:sds@cpchem.com

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

**1.4****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 (Gifflinjen): +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: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

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

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

**SECTION 2: Hazards identification****2.1****Classification of the substance or mixture****REGULATION (EC) No 1272/2008**

Aspiration hazard, Category 1

H304:

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

May be fatal if swallowed and enters airways.

**2.2****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 + P310IF SWALLOWED: Immediately call a  
POISON CENTER/ doctor.  
Do NOT induce vomiting.

P331

**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:

- 68551-20-2 C13-C16 Isoalkanes

**2.3****Other hazards**Results of PBT and vPvB  
assessment: This substance/mixture contains no components considered to  
be either persistent, bioaccumulative and toxic (PBT), or very  
persistent and very bioaccumulative (vPvB) at levels of 0.1%  
or higher.Endocrine disrupting  
properties: The substance/mixture does not contain components  
considered to have endocrine disrupting properties according  
to REACH Article 57(f) or Commission Delegated regulation  
(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at  
levels of 0.1% or higher.**SECTION 3: Composition/information on ingredients****3.1 - 3.2****Substance or Mixture**

Molecular formula : UVCB

**Hazardous ingredients**

Chemical name	CAS-No. EC-No. Index No.	Classification (REGULATION (EC) No 1272/2008)	Concentration [wt%]	Specific Conc. Limits, M-factors and ATEs
Hydrocarbons, C13-		Asp. Tox. 1; H304	99 - 100	

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

C16, Isoalkanes, less  
than 2% aromatics

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

**SECTION 4: First aid measures****4.1****Description of 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 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.

**4.2 Most important symptoms and effects, both acute and delayed****Notes to physician**

- Symptoms : No data available.
- Risks : No data available.

**4.3 Indication of any immediate medical attention and special treatment needed**

- Treatment : No data available.

**SECTION 5: Firefighting measures**

- Flash point : 100,6°C (213,1°F)  
Method: ASTM D 93

- Autoignition temperature : No data available

**5.1****Extinguishing media**

- Unsuitable extinguishing media : High volume water jet.

**5.3****Advice for firefighters**

- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Fire and explosion : Normal measures for preventive fire protection.

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

protection

Hazardous decomposition : Carbon oxides.  
products

**SECTION 6: Accidental release measures****6.1****Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment. Ensure adequate ventilation.

**6.2****Environmental precautions**

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.

**6.3****Methods and materials for containment and cleaning up**

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.

**6.4****Reference to other sections**

Reference to other sections : For personal protection see section 8. For disposal considerations see section 13.

A quantitative risk assessment is not required for the environment.

A quantitative risk assessment is not required for human health.

**SECTION 7: Handling and storage****7.1****Precautions for safe handling  
Handling**

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.

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

**7.2****Conditions for safe storage, including any incompatibilities****Storage**

Requirements for storage areas and containers : 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.

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

**SECTION 8: Exposure controls/personal protection****8.1****Control parameters  
Ingredients with workplace control parameters****SE**

Beständsdelar	Grundval	Värde	Kontrollparametrar	Anmärkning
C13-C16 Isoalkanes	SE AFS	NGV	350 mg/m3	
	SE AFS	KGV	500 mg/m3	V,

V Vägledande kortidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas

**NO**

Komponenter	Grunnlag	Verdi	Kontrollparametrer	Nota
C13-C16 Isoalkanes	FOR-2011-12-06-1358	GV	40 ppm, 275 mg/m3	

**LT**

Komponentai	Šaltinis	Vertė	Kontrolės parametrai	Pastaba
C13-C16 Isoalkanes	LT OEL	IPRD	350 mg/m3	
	LT OEL	TPRD	500 mg/m3	

**EE**

Komponendid, osad	Alused	Väärtus	Kontrolliparameetrid	Märkused
C13-C16 Isoalkanes	EE OEL	Piirnorm	350 mg/m3	11,
	EE OEL	Lühiajalise kokkupuute piirnorm	500 mg/m3	11,
	EE OEL	Piirnorm	5 mg/m3	
	EE OEL	Piirnorm	5 mg/m3	Aerosool
	EE OEL	Piirnorm	350 mg/m3	Aur
	EE OEL	Lühiajalise kokkupuute piirnorm	500 mg/m3	Aur

11 Süsivesinike piirnormid on arvatatud auru faasile. Üle 12 süsinikuaatomiga alifaatsetel süsivesinikel (tridekaanid ja kõrgemad) on 20 °C juures küllastussisaldus < 350 mg/m3. Aerosoolsete süsivesinike piirnorm on 5 mg/m3.

**8.2****Exposure controls  
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 : 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.

Hand protection : If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

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

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

**SECTION 9: Physical and chemical properties****9.1****Information on basic physical and chemical properties****Appearance**

- Form : liquid  
Physical state : liquid  
Color : Colorless  
Odor : Mild

**Safety data**

- Flash point : 100,6°C (213,1°F)  
Method: ASTM D 93
- Lower explosion limit : No data available
- Upper explosion limit : No data available
- Oxidizing properties : No
- Autoignition temperature : No data available
- Molecular formula : UVCB
- Molecular weight : Not applicable
- pH : 7
- Pour point : No data available
- Boiling point/boiling range : 214,4-316°C (417,9-601°F)
- Vapor pressure : 0,36 MMHG  
at 37,8°C (100,0°F)
- Relative density : 0,79  
at 15,6 °C (60,1 °F)
- Density : 794,5 g/l
- Water solubility : negligible

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

Partition coefficient: n-octanol/water : No data available  
 Viscosity, kinematic : 3,3 cSt  
 at 38°C (100°F)

Relative vapor density : 1  
 (Air = 1.0)

Evaporation rate : < 1

**9.2****Other information**

Conductivity : No data available

**SECTION 10: Stability and reactivity****10.1**

**Reactivity** : Stable under recommended storage conditions.

**10.2**

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

**10.3****Possibility of hazardous reactions**

**Hazardous reactions** : Hazardous reactions: Hazardous polymerization does not occur.

**10.4**

**Conditions to avoid** : No data available.

**10.5**

**Materials to avoid** : May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

**10.6**

**Hazardous decomposition products** : Carbon oxides

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

**SECTION 11: Toxicological information****11.1****Information on toxicological effects****Acute oral toxicity**

Hydrocarbons, C13-C16, Isoalkanes, less than 2% aromatics : LD50: > 5.000 mg/kg  
 Species: Rat  
 Sex: male and female  
 Method: OECD Test Guideline 401



**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

Information given is based on data obtained from similar substances.

**Skin irritation**

Hydrocarbons, C13-C16,  
Isoalkanes, less than 2%  
aromatics

: Repeated exposure may cause skin dryness or cracking.  
Information given is based on data obtained from similar  
substances. May irritate skin.

**Eye irritation**

Hydrocarbons, C13-C16,  
Isoalkanes, less than 2%  
aromatics

: No eye irritation  
Information given is based on data obtained from similar  
substances.

**Sensitization**

Hydrocarbons, C13-C16,  
Isoalkanes, less than 2%  
aromatics

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

**Repeated dose toxicity**

Hydrocarbons, C13-C16,  
Isoalkanes, less than 2%  
aromatics

: Species: Rat, male and female  
Sex: male and female  
Application Route: oral gavage  
Exposure time: 13 wk  
Number of exposures: 7 d/wk  
NOEL: > 5.000 mg/kg  
Method: OECD Test Guideline 408  
No significant adverse effects were reported  
Information given is based on data obtained from similar  
substances.

Species: Rat, male and female  
Sex: male and female  
Application Route: Inhalation  
Exposure time: 13 wk  
Number of exposures: 6 h/d  
NOEL: 30 mg/l  
Method: OECD Test Guideline 413  
No significant adverse effects were reported  
Information given is based on data obtained from similar  
substances.

Species: Rat, male and female  
Sex: male and female  
Application Route: Dermal  
Exposure time: 13 wk  
Number of exposures: 5 d/wk  
NOEL: > 495 mg/kg  
Method: OECD Test Guideline 411  
No significant adverse effects were reported  
Information given is based on data obtained from similar  
substances.

**Genotoxicity in vitro**

Hydrocarbons, C13-C16,  
Isoalkanes, less than 2%

: Test Type: reverse mutation assay  
Metabolic activation: with and without metabolic activation

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

aromatics

Method: OECD Test Guideline 471

Result: negative

Remarks: Information given is based on data obtained from similar substances.

Test Type: Cytogenetic assay

Test system: Chinese hamster cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative

Remarks: Information given is based on data obtained from similar substances.

Test Type: Mouse lymphoma assay

Metabolic activation: with and without metabolic activation

Method: OECD Guideline 476

Result: negative

Remarks: Information given is based on data obtained from similar substances.

**Reproductive toxicity**Hydrocarbons, C13-C16,  
Isoalkanes, less than 2%  
aromatics

: Species: Rat

Sex: male and female

Application Route: oral gavage

Dose: 50, 100, 750 mg/kg

Exposure time: 70 d

Number of exposures: Daily

Method: OECD Test Guideline 416

NOAEL Parent:  $\geq$  750 mg/kgNOAEL F1:  $\geq$  750 mg/kg

No adverse effects expected

Information given is based on data obtained from similar substances.

**ORFOM® SX-11 (Solvent Extraction Diluent)****Aspiration toxicity**

: May be fatal if swallowed and enters airways.

**CMR effects**Hydrocarbons, C13-C16,  
Isoalkanes, less than 2%  
aromatics

: Carcinogenicity: Not available

Mutagenicity: In vitro tests did not show mutagenic effects

Reproductive toxicity: No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**11.2****Information on other hazards****ORFOM® SX-11 (Solvent Extraction Diluent)****Further information**

: Solvents may degrease the skin.

Endocrine disrupting  
properties

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

**SECTION 12: Ecological information****12.1****Toxicity****Toxicity to fish**

Hydrocarbons, C13-C16, Isoalkanes, less than 2% aromatics : LL50: > 1.000 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
static test Method: OECD Test Guideline 203  
Information given is based on data obtained from similar substances.

**Toxicity to daphnia and other aquatic invertebrates**

Hydrocarbons, C13-C16, Isoalkanes, less than 2% aromatics : EL50: > 1.000 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
Immobilization Method: OECD Test Guideline 202  
Information given is based on data obtained from similar substances.

**Toxicity to algae**

Hydrocarbons, C13-C16, Isoalkanes, less than 2% aromatics : 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 bacteria**

Hydrocarbons, C13-C16, Isoalkanes, less than 2% aromatics : > 100 mg/l  
Exposure time: 3 h  
Respiration inhibition  
Method: OECD Test Guideline 209  
Information given is based on data obtained from similar substances.

**12.2****Persistence and degradability****Biodegradability**

Hydrocarbons, C13-C16, Isoalkanes, less than 2% aromatics : aerobic  
Result: Readily biodegradable.  
74 %  
Testing period: 28 d  
Method: OECD Test Guideline 306  
Information given is based on data obtained from similar substances.

**12.3**

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

**Bioaccumulative potential**

Bioaccumulation

Hydrocarbons, C13-C16, Isoalkanes, less than 2% aromatics : The product may be accumulated in organisms.

**12.4****Mobility in soil**

Mobility

Hydrocarbons, C13-C16, Isoalkanes, less than 2% aromatics : immobile

**12.5****Results of PBT and vPvB assessment**

Results of PBT assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6****Endocrine disrupting properties**

Endocrine disrupting properties : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7****Other adverse effects**

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

**12.8****Additional Information****Ecotoxicology Assessment**

Short-term (acute) aquatic hazard

Hydrocarbons, C13-C16, Isoalkanes, less than 2% aromatics : This product has no known ecotoxicological effects.

Long-term (chronic) aquatic hazard

Hydrocarbons, C13-C16, Isoalkanes, less than 2% aromatics : This product has no known ecotoxicological effects.

**SECTION 13: Disposal considerations****13.1****Waste treatment methods**

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

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

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.

**SECTION 14: Transport information****14.1 - 14.7****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.

**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.

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

Revision Date 2023-07-19

**Maritime transport in bulk according to IMO instruments****SECTION 15: Regulatory information****15.1****Safety, health and environmental regulations/legislation specific for the substance or mixture  
National legislation**

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**Water hazard class (Germany)** : WGK 1 slightly water endangering

**15.2****Chemical Safety Assessment**

**Components** : Alkanes, C13-16-iso- A Chemical Safety Assessment 271-370-0 has been carried out for this substance. A quantitative risk assessment is not required for the environment. A quantitative risk assessment is not required for human health.

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

: ZEU\_SEVES3 Update:  
Not applicable

**Notification status**

Europe REACH : This product is in full compliance according to REACH regulation 1907/2006/EC.

Switzerland CH INV : On the inventory, or in compliance with the inventory

United States of America (USA) TSCA : On or in compliance with the active portion of the TSCA inventory

Canada DSL : All components of this product are on the Canadian DSL

Australia AIIC : 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 : A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations. Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance or the exported amount does not exceed the minimum threshold quantity of the non-registered substance(s).

Philippines PICCS : On the inventory, or in compliance with the inventory

**ORFOM® SX-11 (Solvent Extraction Diluent)**

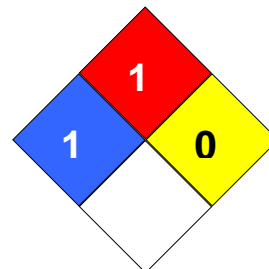
Version 1.9

Revision Date 2023-07-19

Taiwan TCSI : 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 : 98110

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%
AiIC	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 Chemical Substances	PICCS	Philippines Inventory of 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

**ORFOM® SX-11 (Solvent Extraction Diluent)**

Version 1.9

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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

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

H304                      May be fatal if swallowed and enters airways.