

Version 2.4 Revision Date 2023-08-23

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

**Product information** 

Product Name : Triisobutylaluminum Line Flush

Use : Waste

Company : Chevron Phillips Chemical Company LP

10001 Six Pines Drive The Woodlands, TX 77380

### **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) 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

SDS Number:100000101921 1/15

# Triisobutylaluminum Line Flush

Version 2.4 Revision Date 2023-08-23

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**

#### Classification of the substance or mixture

This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

Classification

Flammable liquids, Category 2 Skin irritation, Category 2 Reproductive toxicity, Category 2

Specific target organ toxicity - single exposure, Category 3,

Central nervous system

Specific target organ toxicity - repeated exposure, Category 2,

Inhalation, Nervous system Aspiration hazard, Category 1

### Labeling

Symbol(s)







Signal Word : Danger

Hazard Statements : H225: Highly flammable liquid and vapor.

H250: Catches fire spontaneously if exposed to air. H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H361: Suspected of damaging fertility or the unborn child. H373: May cause damage to organs (Nervous system) through

prolonged or repeated exposure if inhaled.

Precautionary Statements : Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been

read and understood.

P210 Keep away from heat/ sparks/ open flames/ hot

surfaces. No smoking.

SDS Number:100000101921 2/15

Version 2.4 Revision Date 2023-08-23

P222 Do not allow contact with air.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P302 + P334 IF ON SKIN: Immerse in cool water/ wrap in wet bandages.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P331 Do NOT induce vomiting.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

### Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P422 Store contents under inert gas.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

## Carcinogenicity:

IARC No ingredient of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

NTP No ingredient of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

### **SECTION 3: Composition/information on ingredients**

Component	CAS-No.	Weight %
White Mineral Oil	8042-47-5	80 - 97
n-hexane	110-54-3	3 - 20

SDS Number:100000101921 3/15

# Triisobutylaluminum Line Flush

Version 2.4 Revision Date 2023-08-23

Triisobutyl aluminum 100-99-2 0.01 - 0.2

### **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 : Consult a physician after significant exposure. If unconscious,

place in recovery position and seek medical advice.

In case of skin contact : If skin irritation persists, call a physician. 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.

## **SECTION 5: Firefighting measures**

Flash point : -26°C (-15°F)

Autoignition temperature : No data available

Suitable extinguishing

media

: Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical.

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. 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 a naked flame or any incandescent material.

Take necessary action to avoid static electricity discharge

(which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition. Keep away from combustible

4/15

material.

SDS Number:100000101921

# Triisobutylaluminum Line Flush

Version 2.4 Revision Date 2023-08-23

### **SECTION 6: Accidental release measures**

Personal precautions : Use personal protective equipment. Ensure adequate

ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low

areas.

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).

## **SECTION 7: Handling and storage**

### Handling

Advice on safe handling : Avoid formation of aerosol. Do not breathe vapors/dust. Avoid

exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with

local and national regulations.

Advice on protection against fire and explosion

Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition. Keep away from combustible

material.

### Storage

Requirements for storage areas and containers

: Prevent unauthorized access. No smoking. 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 : Waste

### SECTION 8: Exposure controls/personal protection

## Ingredients with workplace control parameters

US

Components	Basis	Value	Control parameters	Note
White Mineral Oil	OSHA Z-1	TWA	5 mg/m3	Mist

SDS Number:100000101921	5/15

Version 2.4 Revision Date 2023-08-23

	ACGIH	TWA	5 mg/m3	A4, Inhalable particulate matter
	OSHA Z-1-A	TWA	5 mg/m3	Mist
n-hexane	ACGIH	TWA	50 ppm,	Skin,
	OSHA Z-1	TWA	500 ppm, 1,800 mg/m3	
	OSHA Z-1-A	TWA	50 ppm, 180 mg/m3	

A4 Not classifiable as a human carcinogen Skin Danger of cutaneous absorption

### Immediately Dangerous to Life or Health Concentrations (IDLH)

Substance name	CAS-No.	Control parameters	Update
White Mineral Oil	8042-47-5	Immediately Dangerous to Life or Health Concentration Value 2500 mg/m³	2017-09-01
n-hexane	110-54-3	Immediately Dangerous to Life or Health Concentration Value 1100 parts per million	1995-03-01

### **Biological exposure indices**

#### US

Substance name	CAS-No.	Control parameters	Sampling time	Update
n-hexane	110-54-3 2,5-Hexanedione: 0.5 mg/l Without hydrolysis (Urine)		End of shift	2020-02-01

### **Engineering measures**

Adequate ventilation to control airborned 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 Organic Vapors. 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

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.

SDS Number:100000101921 6/15

# Triisobutylaluminum Line Flush

Version 2.4 Revision Date 2023-08-23

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:. Flame retardant antistatic protective clothing. Workers should wear antistatic

footwear.

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 : light yellow, dark, opaque

Odor : very faint

Safety data

Flash point : -26°C (-15°F)

Lower explosion limit : No data available

Upper explosion limit : No data available

Autoignition temperature : No data available

Molecular weight : Not applicable

pH : Not applicable

Freezing point : No data available

Melting point/range No data available

Boiling point/boiling range : No data available

Vapor pressure : No data available

Density : No data available

Water solubility : Insoluble

Solubility in other solvents : Soluble in hydrocarbon and non-polar organic solvents

## **SECTION 10: Stability and reactivity**

**Reactivity**: Stable at normal ambient temperature and pressure.

SDS Number:100000101921 7/15

# Triisobutylaluminum Line Flush

Version 2.4 Revision Date 2023-08-23

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.

Hazardous reactions: Vapors may form explosive mixture with

air

**Conditions to avoid** : Heat, flames and sparks.

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

## **SECTION 11: Toxicological information**

Triisobutylaluminum Line Flush

Acute oral toxicity : LD50 Oral: > 5,000 mg/kg

Species: Rat

Method: Acute toxicity estimate

**Triisobutylaluminum Line Flush** 

Acute inhalation toxicity : No data available

Triisobutylaluminum Line Flush

Acute dermal toxicity : LD50 Dermal: > 2,000 mg/kg

Species: Rabbit

Method: Acute toxicity estimate

Triisobutylaluminum Line Flush

**Skin irritation** : May cause skin irritation in susceptible persons.

Triisobutylaluminum Line Flush

**Eye irritation**: Vapors may cause irritation to the eyes, respiratory system

and the skin.

Triisobutylaluminum Line Flush

**Sensitization** : No data available.

Repeated dose toxicity

n-hexane : Species: Rat, male

Sex: male

Application Route: Inhalation

Dose: 3,000 ppm Exposure time: 16 wks Number of exposures: 12 h/d

Lowest observable effect level: 3,000 ppm Target Organs: Peripheral nervous system

SDS Number:100000101921 8/15

Version 2.4 Revision Date 2023-08-23

Species: Mouse, female

Sex: female

Application Route: Inhalation Dose: 500, 1,000, 4,000, 10,000 ppm

Exposure time: 13 wks

Number of exposures: 6h or 22h (1,000 ppm)/ 5d/wk

Lowest observable effect level: 500 ppm

Target Organs: Nose

Species: Mouse, male

Sex: male

Application Route: Inhalation Dose: 500, 1,000, 4000, 10,000 ppm

Exposure time: 13 wks

Number of exposures: 6h or 22h (1,000 ppm)/d, 5d/wk

NOEL: 500 ppm

Lowest observable effect level: 1,000 ppm

Target Organs: Nose

Species: Rat, male

Sex: male

Application Route: oral gavage Dose: 568, 1,135, 3,973 mg/kg bw/day

Exposure time: 90 or 120 days

Number of exposures: Daily or 5d/wk (120-d study)

NOEL: 568 mg/kg bw/day

Lowest observable effect level: 1135 mg/kg bw/day

### Genotoxicity in vitro

n-hexane : Test Type: Ames test

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Test Type: Mouse lymphoma assay

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

Test Type: Mouse lymphoma assay

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: Positive results were obtained in some in vitro tests.

### Genotoxicity in vivo

n-hexane : Test Type: Dominant lethal assay

Species: Mouse

Dose: 100 and 400 ppm

Result: negative

Test Type: Cytogenetic assay

Species: Rat

Dose: 900, 3000, 9000 ppm

Result: negative

### Triisobutylaluminum Line Flush

SDS Number:100000101921 9/15

Version 2.4 Revision Date 2023-08-23

Carcinogenicity : Remarks: Not expected to be carcinogenic based on

individual component data.

Reproductive toxicity

n-hexane : Species: Rat

Sex: male

Application Route: Inhalation

Dose: 5,000 ppm

Number of exposures: 16 hr/d, 6 d/wk

Test period: 6 wks

permanent testicular damage characterized by loss of germ-

cell line

**Developmental Toxicity** 

n-hexane : Species: Rat

Application Route: Inhalation Dose: 200, 1,000, 5,000 ppm Number of exposures: 20 hr/d, daily

Test period: GD 6-20

NOAEL Teratogenicity: 200 ppm NOAEL Maternal: 200 ppm

Species: Mouse

Application Route: Inhalation Dose: 200, 1,000, 5,000 ppm Number of exposures: 20 hr/d, daily

Test period: GD 6-17

NOAEL Maternal: 1,000 ppm

Triisobutylaluminum Line Flush

**Aspiration toxicity** : May be fatal if swallowed and enters airways.

**CMR** effects

n-hexane : Carcinogenicity: Not classifiable as a human carcinogen.

Mutagenicity: Did not show mutagenic effects in animal

experiments.

Teratogenicity: Animal testing did not show any effects on

fetal development.

Reproductive toxicity: Some evidence of adverse effects on sexual function and fertility, and/or on development, based on

animal experiments.

Triisobutylaluminum Line Flush

**Further information** : Symptoms of overexposure may be headache, dizziness,

tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents

may degrease the skin.

### **SECTION 12: Ecological information**

Ecotoxicity effects Toxicity to fish

SDS Number:100000101921 10/15

Version 2.4 Revision Date 2023-08-23

n-hexane : LL50: 12.51 mg/l

Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)

Method: QSAR modeled data

## Toxicity to daphnia and other aquatic invertebrates

n-hexane : EL50: 21.85 mg/l

Exposure time: 48 h

Species: Daphnia magna (Water flea)

Method: QSAR modeled data

Toxicity to algae

n-hexane : EL50: 9.29 mg/l

Exposure time: 72 h

Species: Pseudokirchneriella subcapitata (green algae)

Method: QSAR modeled data

: No data available Biodegradability

Elimination information (persistence and degradability)

Bioaccumulation : No data available

Mobility : No data available

Results of PBT assessment

n-hexane : Non-classified vPvB substance, Non-classified PBT substance

Additional ecological

information

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life

with long lasting effects.

**Ecotoxicology Assessment** 

Short-term (acute) aquatic

: Harmful to aquatic life.

hazard

Long-term (chronic) aquatic : Harmful to aquatic life with long lasting effects.

hazard

### **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

SDS Number:100000101921 11/15

# Triisobutylaluminum Line Flush

Version 2.4 Revision Date 2023-08-23

> courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Empty remaining contents. Dispose of as unused product. Contaminated packaging

Do not re-use empty containers. Do not burn, or use a cutting

torch on, the empty drum.

### **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)**

UN3394, ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE, (TRIISOBUTYL ALUMINUM, N-HEXANE), 4.2 (4.3), I, MARINE POLLUTANT, (N-HEXANE), RQ (N-HEXANE)

### IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

UN3394, ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE, (TRIISOBUTYL ALUMINUM, N-HEXANE), 4.2 (4.3), I, (-26 °C c.c.), MARINE POLLUTANT, (N-HEXANE)

### IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

UN3394, 4.2: NOT PERMITTED FOR TRANSPORT

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

UN3394, ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE, (TRIISOBUTYL ALUMINUM, N-HEXANE), 4.2 (4.3), I, (B/E), **ENVIRONMENTALLY HAZARDOUS, (N-HEXANE)** 

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

X333,UN3394,ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE, (TRIISOBUTYL ALUMINUM, N-HEXANE), 4.2 (4.3), I, ENVIRONMENTALLY HAZARDOUS, (N-HEXANE)

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

UN3394, ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE, (TRIISOBUTYL ALUMINUM, N-HEXANE), 4.2 (4.3), I, ENVIRONMENTALLY HAZARDOUS, (N-HEXANE)

SDS Number:100000101921 12/15

# Triisobutylaluminum Line Flush

Version 2.4 Revision Date 2023-08-23

## Maritime transport in bulk according to IMO instruments

### **SECTION 15: Regulatory information**

### **National legislation**

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Skin corrosion or irritation

**CERCLA Reportable** 

Quantity

: 25000 lbs

n-hexane

SARA 302 Reportable

Quantity

: This material does not contain any components with a SARA

302 RQ.

SARA 302 Threshold

Planning Quantity

: This material does not contain any components with a section

302 EHS TPQ.

SARA 304 Reportable

Quantity

: This material does not contain any components with a section

304 EHS RQ.

SARA 313 Components : The following components are subject to reporting levels

established by SARA Title III, Section 313:

: n-hexane - 110-54-3

### Clean Air Act

Ozone-Depletion

Potential

: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR

82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

: n-hexane - 110-54-3

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

SDS Number:100000101921 13/15

Version 2.4 Revision Date 2023-08-23

## **US State Regulations**

Pennsylvania Right To Know

: White Mineral Oil - 8042-47-5

n-hexane - 110-54-3 Water - 7732-18-5

California Prop. 65

Components

: WARNING: This product can expose you to chemicals including [listed below], which is [are] known to the State of California to cause birth defects or other reproductive harm. For more

information go to www.P65Warnings.ca.gov.

n-hexane 110-54-3

**Notification status** 

Europe REACH : Not in compliance with the inventory Switzerland CH INV : Not in compliance with the inventory United States of America (USA) : Not in compliance with the inventory

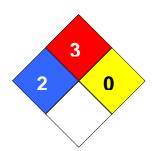
**TSCA** 

Canada DSL Not in compliance with the inventory Australia AIIC Not in compliance with the inventory New Zealand NZIoC Not in compliance with the inventory Japan ENCS Not in compliance with the inventory Korea KECI Not in compliance with the inventory Philippines PICCS Not in compliance with the inventory China IECSC Not in compliance with the inventory Taiwan TCSI Not in compliance with the inventory

### **SECTION 16: Other information**

NFPA Classification : Health Hazard: 2

Fire Hazard: 3
Reactivity Hazard: 0



### **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.

SDS Number:100000101921 14/15

Version 2.4 Revision Date 2023-08-23

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
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

SDS Number:100000101921 15/15