

**Drill-Thin® Thinner**

Version 1.8

Revision Date 2016-05-31

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

Product Name : Drill-Thin® Thinner
Material : 1016816

Company : Chevron Phillips Chemical Company LP
Drilling Specialties Company LLC
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

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

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Carcinogenicity, Category 1A	H350i: May cause cancer by inhalation.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

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

Hazard pictograms	:	  
Signal Word	:	Danger
Hazard Statements	:	H315 Causes skin irritation. H319 Causes serious eye irritation. H350i May cause cancer by inhalation. H411 Toxic to aquatic life with long lasting effects.
Precautionary Statements	:	Prevention: P201 Obtain special instructions before use. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 Take off contaminated clothing. P391 Collect spillage. 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:

- 14808-60-7 Crystalline Silica

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SECTION 3: Composition/information on ingredients

Synonyms : Drilling Mud Additive

Molecular formula : Mixture

Mixtures**Hazardous ingredients**

Chemical name	CAS-No. EC-No. Index No.	Classification (REGULATION (EC) No 1272/2008)	Concentration [wt%]
Sulfomethylated Quebracho	68201-64-9 269-229-3	Aquatic Chronic 3; H412	50 - 80
Ferrous Sulfate	17375-41-6	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Irrit. 2; H315	5 - 9
Stannous Sulfate	7488-55-3 231-302-2	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	3 - 7
Crystalline Silica	14808-60-7 238-878-4	Carc. 1A; H350 STOT RE 1; H372	0,1 - 1

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.

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

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 : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician. 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	: Not applicable
Autoignition temperature	: No data available
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. Risks of ignition followed by flame propagation or secondary explosions can be caused by the accumulation of dust, e.g. on floors and ledges.
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	: Avoid dust formation. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Provide appropriate exhaust ventilation at places where dust is formed.
Hazardous decomposition products	: Carbon oxides. Sulfur oxides.

SECTION 6: Accidental release measures

Personal precautions	: Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
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	: Pick up and arrange disposal without creating dust. Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.
Additional advice	: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

SECTION 7: Handling and storage**Handling**

Advice on safe handling	: Avoid formation of respirable particles. Do not breathe
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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. Dispose of rinse water in accordance with local and national regulations. Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary, but may not by themselves be sufficient.

Advice on protection against fire and explosion : Avoid dust formation. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Provide appropriate exhaust ventilation at places where dust is formed.

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.

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

Zložka	Podstata	Hodnota	Kontrolné parametre	Poznámka
Stannous Sulfate	SK OEL	NPEL priemerný	2 mg/m ³	
	SK OEL	NPEL krátkodobý	4 mg/m ³	

SI

Sestavine	Osnova	Vrednost	Parametri nadzora	Pripomba
Stannous Sulfate	SI OEL	MV	2 mg/m ³	EU,

EU Mejna vrednost, določena z Direktivo Komisije z dne 29. maja 1991 o določitvi indikativne mejne vrednosti v skladu z Direktivo Sveta 80/1107/EGS o varovanju delavcev pred tveganjem zaradi izpostavljenosti kemičnim, fizikalnim in biološkim dejavnikom pri delu (UL L, št. 177, z dne 5. julija 1991, str. 22).

SE

Beståndsdelar	Grundval	Värde	Kontrollparametrar	Anmärkning
Stannous Sulfate	SE AFS	NGV	0,1 mg/m ³	2, Inhalerbart
	SE AFS	NGV	0,1 mg/m ³	2, inhalabelt damm

2 Med respirabelt damm menas den dammfraction som definieras i svensk standard SS-EN 481, Arbetsplatsluft. - Partikelstorleksfraktioner för mätning av luftburna partiklar, Utgåva 1, 1993, punkt 2.11 och som har en provtagningskaraktäristik enligt punkt 5.3. Med inhalerbart damm menas den dammfraction som definieras i svensk standard SS-EN 481, Arbetsplatsluft - Partikelstorleksfraktioner för mätning av luftburna partiklar, Utgåva 1, 1993, punkt 2.3 och som har en provtagningskaraktäristik enligt punkt 5.1. Med respirabelt damm menas den dammfraction som definieras i svensk standard SS-EN 481, Arbetsplatsluft - Partikelstorleksfraktioner för mätning av luftburna partiklar, Utgåva 1, 1993, punkt 2.11 och som har en provtagningskaraktäristik enligt punkt 5.3. Med totaldamm menas de partiklar (aerosoler) som fastnar på ett filter i den provtagare som beskrivs i Metodserien, Provtagning av totaldamm och respirabelt damm, Metod nr 1010, Arbetarskyddsstyrelsen, numera Arbetsmiljöverket. Filterdiametern är normalt 37 mm, men kan även vara 25 mm. Trots sitt namn provtas inte den totala mängden luftburna partiklar med denna metod.

RS

Компоненты	Основа	Величина	Параметры контроля	Заметка
Stannous Sulfate	RS OEL	GVI	2 mg/m ³	EU,

EU Substance mentioned in indicative exposure limit values in Directive 91/322 / EEC

RO

Componente	Bază	Valoare	Parametri de control	Notă
Stannous Sulfate	RO OEL	TWA	2 mg/m ³	

PT

Componentes	Bases	Valor	Parâmetros de controlo	Nota

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Ferrous Sulfate	PT OEL	VLE-MP	1 mg/m3	irritação do TRS,
Stannous Sulfate	PT OEL	VLE-MP	2 mg/m3	irritação do TRS,
	PT DL 305/2007	oito horas	2 mg/m3	

irritação do TRS
irritação do trato respiratório superior

PL

Składniki	Podstawa	Wartość	Parametry dotyczące kontroli	Uwaga
Stannous Sulfate	PL NDS	NDS	2 mg/m3	dymy i pyły

NO

Komponenter	Grunnlag	Verdi	Kontrollparametere	Nota
Ferrous Sulfate	FOR-2011-12-06-1358	TWA	1 mg/m3	
Stannous Sulfate	FOR-2011-12-06-1358	TWA	2 mg/m3	

MT

Ingredients	Basis	Value	Control parameters	Note
Stannous Sulfate	MT OEL	TWA	2 mg/m3	8,

8 Existing scientific data on health effects appear to be particularly limited

MK

Съставки	Основа	Стойност	Параметри на контрол	Бележка
Stannous Sulfate	MK OEL	MV	2 mg/m3	EU, I, Inhalable fraction - the part of the total suspended material that is inhaled by the employees

EU European Union - limit (threshold) value set at the level of European Union

I Inhalable fraction - the part of the total suspended material that is inhaled by the employees

LV

Sastāvdaļas	Bāze	Vērtība	Pārvaldības parametri	Piezīme
Stannous Sulfate	LV OEL	AER 8 st	2 mg/m3	

LU

Composants	Base	Valeur	Paramètres de contrôle	Note
Stannous Sulfate	LU OEL	TWA	2 mg/m3	

LT

Komponentai	Pagrindas, bazė	Vertė	Kontrolės parametrai	Pastaba
Stannous Sulfate	LT OEL	IPRD	2 mg/m3	

IS

Komponenter	Grunnlag	Verdi	Kontrollparametere	Nota
Ferrous Sulfate	IS OEL	TWA	1 mg/m3	
Stannous Sulfate	IS OEL	TWA	2 mg/m3	

IE

Ingredients	Basis	Value	Control parameters	Note
Ferrous Sulfate	IE OEL	OELV - 8 hrs (TWA)	1 mg/m3	
	IE OEL	OELV - 15 min (STEL)	2 mg/m3	
Stannous Sulfate	IE OEL	OELV - 8 hrs (TWA)	2 mg/m3	IOELV,

IOELV Indicative Occupational Exposure Limit Value

HU

Komponensek	Bázis	Érték	Ellenőrzési paraméterek	Megjegyzés
Stannous Sulfate	HU OEL	AK-érték	2 mg/m3	b, EU1, i,
	HU OEL	CK-érték	8 mg/m3	b, EU1, i,

b Bőrön át is felszívódik. Az AK-értékek a veszélyes anyagoknak ezt a tulajdonságát, illetve az ebből származó expozíciót csak a levegőben megengedett koncentrációjuk mértékének megfelelően veszik figyelembe

EU1 91/322/EGK irányelvben közölt érték

i Ingerlő anyag (izgatja a bőrt, nyálkahártyát, szemet vagy mindhármát)

HR

Sastojci	Temelj	Vrijednost	Nadzorni parametri	Bilješka
Ferrous Sulfate	HR OEL	GVI	1 mg/m3	
	HR OEL	STEL	2 mg/m3	
Stannous Sulfate	HR OEL	GVI	2 mg/m3	EU,

EU Naznaka da se radi o tvorima za koje su utvrđene indikativne granične vrijednosti izloženosti prema Direktivi 91/322/EEC

GR

Συστατικά	Βάση	Τιμή	Παράμετροι ελέγχου	Σημείωση
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Ferrous Sulfate	GR OEL	TWA	1 mg/m3	
	GR OEL	STEL	2 mg/m3	
Stannous Sulfate	GR OEL	TWA	2 mg/m3	

GB

Ingredients	Basis	Value	Control parameters	Note
Ferrous Sulfate	GB EH40	TWA	1 mg/m3	
	GB EH40	STEL	2 mg/m3	
Stannous Sulfate	GB EH40	TWA	2 mg/m3	
	GB EH40	STEL	4 mg/m3	

FI

Aineosat	Peruste	Arvo	Valvontaa koskevat muutujat	Huomautus
Ferrous Sulfate	FI OEL	HTP-arvot 8h	1 mg/m3	
Stannous Sulfate	FI OEL	HTP-arvot 8h	2 mg/m3	

ES

Componentes	Base	Valor	Parámetros de control	Nota
Ferrous Sulfate	ES VLA	VLA-ED	1 mg/m3	c,
Stannous Sulfate	ES VLA	VLA-ED	2 mg/m3	

c Los términos 'soluble' e 'insoluble' se entienden con referencia al agua.

EE

Komponendid, osad	Alused	Väärtus	Kontrolliparameetrid	Märkused
Stannous Sulfate	EE OEL	Piirnorm	2 mg/m3	

DK

Komponenter	Basis	Værdi	Kontrolparametre	Note
Ferrous Sulfate	DK OEL	GV	1 mg/m3	
Stannous Sulfate	DK OEL	GV	2 mg/m3	E,

E At stoffet har en EF-grænseværdi

CZ

Složky	Základ	Hodnota	Kontrolní parametry	Poznámka
Stannous Sulfate	CZ OEL	PEL	2 mg/m3	I,
	CZ OEL	NPK-P	4 mg/m3	I,

I dráždí sliznice (oči, dýchací cesty) resp. kůži

CY

Συστατικά	Βάση	Τιμή	Παράμετροι ελέγχου	Σημείωση
Stannous Sulfate	CY OEL	TWA	2 mg/m3	(8),

(8) Τα υπάρχοντα επιστημονικά δεδομένα για τις συνέπειες στην υγεία είναι ιδιαίτερα περιορισμένα

CH

Inhaltsstoffe	Grundlage	Wert	Zu überwachende Parameter	Bemerkung
Ferrous Sulfate	CH SUVA	MAK-Wert	1 mg/m3	OSHA, einatembarer Staub
Stannous Sulfate	CH SUVA	MAK-Wert	2 mg/m3	NIOSH, OSHA, einatembarer Staub
	CH SUVA	KZGW	4 mg/m3	NIOSH, OSHA, einatembarer Staub

NIOSH National Institute for Occupational Safety and Health
OSHA Occupational Safety and Health Administration

BG

Съставки	Основа	Стойност	Параметри на контрол	Бележка
Ferrous Sulfate	BG OEL	TWA	1 mg/m3	
Stannous Sulfate	BG OEL	TWA	2 mg/m3	-,

- Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност. Граничните стойности на тези химични агенти във въздуха на работната среда, определени с наредбата, са съобразени със съответните стойности, приети за Европейската общност, като могат да бъдат равни или по-ниски от тях.

BE

Bestanddelen	Basis	Waarde	Controleparameters	Opmerking
Ferrous Sulfate	BE OEL	TGG 8 hr	1 mg/m3	
Stannous Sulfate	BE OEL	TGG 8 hr	2 mg/m3	D,

D Opname van het agens via de huid, de slijmvliezen of de ogen vormt een belangrijk deel van de totale blootstelling. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.

AT

Inhaltsstoffe	Grundlage	Wert	Zu überwachende Parameter	Bemerkung
Stannous Sulfate	AT OEL	TMW	2 mg/m3	einatembare Fraktion
	AT OEL	KZW	4 mg/m3	einatembare Fraktion

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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 Dusts and Mists / P100. 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. Safety glasses. |
| 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. |

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

- | | | |
|----------------|---|----------------|
| Form | : | Powder |
| Physical state | : | Solid |
| Color | : | Brown |
| Odor | : | Odorless |
| Odor Threshold | : | Not applicable |

Safety data

- | | | |
|-------------|---|----------------|
| Flash point | : | Not applicable |
|-------------|---|----------------|

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Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Oxidizing properties	: No
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Molecular formula	: Mixture
Molecular weight	: Not applicable
pH	: No data available
Freezing point	: No data available
Pour point	No data available
Boiling point/boiling range	: Not applicable
Vapor pressure	: Not applicable
Relative density	: 1,5 at 15,6 °C (60,1 °F)
Density	: No data available
Water solubility	: Completely Soluble
Partition coefficient: n-octanol/water	: No data available
Viscosity, kinematic	: Not applicable
Relative vapor density	: Not applicable
Evaporation rate	: Not applicable

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.
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Possibility of hazardous reactions

Conditions to avoid	: Generation of Dusts.
Materials to avoid	: Avoid contact with strong oxidizing agents.

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Thermal decomposition : No data available

Hazardous decomposition products : Carbon oxides
Sulfur oxides

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

SECTION 11: Toxicological information

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Acute oral toxicity : Acute toxicity estimate: 3.281 mg/kg
Method: Calculation method

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Acute dermal toxicity : No data available

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Skin irritation : Skin irritation

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Eye irritation : Eye irritation

Repeated dose toxicity

Sulfomethylated Quebracho : Species: Rat, male
Sex: male
Application Route: oral gavage
Dose: 100, 300, 1000 mg/kg
Exposure time: 32 d
Number of exposures: Daily
NOEL: 1.000 mg/kg
Method: OECD Guideline 422
No adverse effects expected

Species: Rat, female
Sex: female
Application Route: oral gavage
Dose: 100, 300, 1000 mg/kg
Exposure time: 39 - 47 d
Number of exposures: Daily
NOEL: 1.000 mg/kg
Method: OECD Guideline 422
No adverse effects expected

Reproductive toxicity

Sulfomethylated Quebracho : Species: Rat
Sex: male
Application Route: oral gavage
Dose: 100, 300, 1000 mg/kg
Exposure time: 32 d
Number of exposures: Daily

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Method: OECD Guideline 422
 NOAEL Parent: 1.000 mg/kg
 NOAEL F1: 1.000 mg/kg
 Fertility and developmental toxicity tests did not reveal any effect on reproduction.

Species: Rat
 Sex: female
 Application Route: oral gavage
 Dose: 100, 300, 1000 mg/kg
 Exposure time: 39 - 47 d
 Number of exposures: Daily
 Method: OECD Guideline 422
 NOAEL Parent: 1.000 mg/kg
 NOAEL F1: 1.000 mg/kg
 Fertility and developmental toxicity tests did not reveal any effect on reproduction.

Drill-Thin® Thinner**Aspiration toxicity**

: No aspiration toxicity classification.

CMR effects

Crystalline Silica

: Carcinogenicity: Human carcinogen.

Drill-Thin® Thinner**Further information**

: No data available.

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

Sulfomethylated Quebracho

: LL50: > 1.800 mg/l
 Exposure time: 96 h
 Species: Scophthalmus maximus (Flatfish, Flounder)
 Method: OECD Test Guideline 203

Ferrous Sulfate

LL50: > 6,25 mg/l
 Exposure time: 96 h
 Species: Cyprinodon variegatus (sheepshead minnow)
 Method: OECD Test Guideline 203

Stannous Sulfate

> 0,0625 mg/l
 Exposure time: 96 h
 Species: Cyprinodon variegatus (sheepshead minnow)
 static test Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates

Sulfomethylated Quebracho

: EL50: 73,2 mg/l
 Exposure time: 48 h
 Species: Acartia tonsa (Marine Copepod)
 Method: ISO TC147/SC5/WG2

Ferrous Sulfate

LC50: 190 mg/l
 Exposure time: 48 h

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Species: *Acartia tonsa* (Marine Copepod)

Stannous Sulfate

EC50: 230 mg/l

Species: *Acartia tonsa* (Marine Copepod)

Method: ISO TC147/SC5/WG2

Toxicity to algae

Sulfomethylated Quebracho

: ErC50: > 100 mg/l

Exposure time: 72 h

Species: *Desmodesmus subspicatus* (green algae)

Method: OECD Test Guideline 201

EbC50: 79 mg/l

Exposure time: 72 h

Species: *Desmodesmus subspicatus* (green algae)

Method: OECD Test Guideline 201

Ferrous Sulfate

EL50: 45 mg/l

Exposure time: 72 h

Species: *Skeletonema costatum* (Marine Algae)

Stannous Sulfate

EC50: 0,55 mg/l

Exposure time: 72 h

Species: *Skeletonema costatum* (Marine Algae)

Method: ISO 10253

Elimination information (persistence and degradability)

Biodegradability

: Expected to be inherently biodegradable.

Ecotoxicology Assessment

Acute aquatic toxicity

Sulfomethylated Quebracho

: Harmful to aquatic life.

Stannous Sulfate

: Very toxic to aquatic life.

Chronic aquatic toxicity

Sulfomethylated Quebracho

: Harmful to aquatic life with long lasting effects.

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.

Additional ecological
information

: Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

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

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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 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.

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

SECTION 15: Regulatory information**National legislation**

Major Accident Hazard Legislation : 96/82/EC Update:
Not applicable

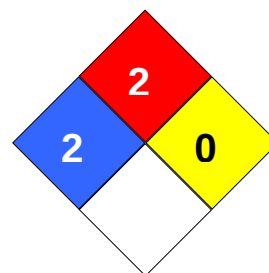
Water contaminating class (Germany) : WGK 2 water endangering

Notification status

Europe REACH	:	This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EU) No. 1907/2006 (REACH).
Switzerland CH INV	:	On the inventory, or in compliance with the inventory
United States of America TSCA	:	On TSCA Inventory
Canada DSL	:	All components of this product are on the Canadian DSL
Australia AICS	:	On the inventory, or in compliance with the inventory
New Zealand NZIoC	:	On the inventory, or in compliance with the inventory
Japan ENCS	:	Not in compliance with the inventory
Korea KECI	:	On the inventory, or in compliance with the inventory
Philippines PICCS	:	Not in compliance with the inventory
China IECSC	:	On the inventory, or in compliance with the inventory

SECTION 16: Other information

NFPA Classification : Health Hazard: 2
Fire Hazard: 2
Reactivity Hazard: 0

**Further information**

Legacy SDS Number : 315030

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.

Drill-Thin® Thinner

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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
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.

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H350	May cause cancer.
H350i	May cause cancer by inhalation.
H372	Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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