SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : STABILIS 9820 200 KG
Product code : 103598

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

soluble cutting fluid

1.3. Details of the supplier of the safety data sheet

Registered company name : MOTUL
Address : 119, Boulevard Felix Faure. 93300 AUBERVILLIERS CEDEX FRANCE
Telephone : 33.1.48.11.70.00. Fax: 33.1.48.33.28.79.
Email : motul_hse@motul.fr

Registered company name (importer): High Performance Lubricants Ltd
21 O'Rorke Road, Penrose, Auckland 1061
PO Box 12 826 Penrose, Auckland, New Zealand
09 571 1366

1.4 24 HOUR EMERGENCY TEPLEPHONE NUMBER: 09 929 1483/0800 446 881 (toll free)

1.5 NATIONAL POISON LINE 0800 764 766

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Eye irritation, Category 2 (Eye Irrit. 2, H319).
May produce an allergic reaction (EUH208).
Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation
6.1E

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS07

Signal Word :
WARNING
Additional labeling :

EUH208	Contains 3-IODO-2-PROPYNYL BUTYLCARBAMATE. May produce an allergic reaction.
Hazard statements :	
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
Precautionary statements - Prevention :	
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response :	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
Precautionary statements - Disposal :	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table
The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 122-99-6 EC: 204-589-7 REACH: 01-2119488943-21 2-PHENOXYETHANOL	GHS07 Wng Acute Tox. 4, H302 Eye Irrit. 2, H319	[1]	10 <= x % < 25
CAS: 68608-26-4 EC: 271-781-5 REACH: 01-2119527859-22 SODIUM SULFONATE	GHS07 Wng Eye Irrit. 2, H319		10 <= x % < 25
CAS: 3913-02-8 EC: 223-470-0 REACH: 01-2119978234-31-0000 2-BUTYLOCTAN-1-OL	GHS09 Aquatic Chronic 2, H411		1 <= x % < 2.5
CAS: 55406-53-6 EC: 259-627-5 3-IODO-2-PROPYNYL BUTYLCARBAMATE	GHS06, GHS05, GHS09, GHS08 Dgr Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Dam. 1, H318 Acute Tox. 3, H331 STOT RE 1, H372 Aquatic Acute 1, H400 M Acute = 10 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 1

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

In the event of an allergic reaction, seek medical attention.
Remove the victim to fresh air. If the symptoms persist, call a physician.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

In the event of an allergic reaction, seek medical attention.
Immediately remove all soiled clothing.
Wash immediately and abundantly with soap and water.

In the event of swallowing :

Seek medical attention, showing the label.
Rinse the mouth with water then drink a lot of water.
Do not induce vomiting without medical advice.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

Dry agent, foam, carbon dioxide.

Unsuitable methods of extinction

High volume water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

Wear a self-contained breathing apparatus

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Avoid contact with eyes.

Use only in well-ventilated areas.

Fire prevention :

Prevent access by unauthorised personnel.

Take precautionary measures against static discharges by bonding and grounding equipment.

No smoking.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture.

Do not breathe fumes, vapour, spray.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Keep container in a well-ventilated place.

Keep from freezing.

Storage life: 12 months.

Store between 5°C and 30°C in a dry, well ventilated place.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

CAS	VME :	VME :	Excess	Notes	
122-99-6	20 ml/m3	110 mg/m3	2(I)	DFG, H, Y	

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

2-PHENOXYETHANOL (CAS: 122-99-6)

Final use: **Workers.**

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 20.83 mg/kg de poids corporel/jour

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 8.07 mg de substance/m3

Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 8.07 mg de substance/m3

Final use: **Consumers.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 9.23 mg/kg de poids corporel/jour

Exposure method: Ingestion.
Potential health effects: Short term systemic effects.
DNEL : 9.23 mg/kg de poids corporel/jour

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 10.42 mg/kg de poids corporel/jour

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 2.41 mg de substance/m3

Predicted no effect concentration (PNEC):

2-BUTYLOCTAN-1-OL (CAS: 3913-02-8)

Environmental compartment: Fresh water.
PNEC : 0.00014 mg/l

Environmental compartment: Sea water.
PNEC : 0.000014 mg/l

Environmental compartment: Waste water treatment plant.
PNEC : 10 mg/l

2-PHENOXYETHANOL (CAS: 122-99-6)

Environmental compartment: Soil.
PNEC : 1.26 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.943 mg/l

Environmental compartment: Sea water.
PNEC : 0.0943 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 3.44 mg/l

Environmental compartment:	Fresh water sediment.
PNEC :	7.2366 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	0.7237 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	24.8 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles with protective sides accordance with standard EN166.
In the event of high danger, protect the face with a face shield.
Prescription glasses are not considered as protection.
Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Type of gloves recommended :
- Natural latex
Recommended properties :
- Impervious gloves in accordance with standard EN374

- Body protection

Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Breathing apparatus only when aerosol or spray are formed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :	Fluid liquid.
Color:	Amber

Important health, safety and environmental information

pH (aqueous solution) :	9.0
pH :	10.96 .
	Slightly basic.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	< 1
Water solubility :	Soluble.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Keep away from heat and from sources of ignition

10.5. Incompatible materials

Strong oxidants

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

11.1.1. Substances

Acute toxicity :

2-BUTYLOCTAN-1-OL (CAS: 3913-02-8)

Oral route :	LD50 > 5000 mg/kg Species : Rat OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)
Dermal route :	LD50 > 2 ml/kg Species : Rabbit

2-PHENOXYETHANOL (CAS: 122-99-6)

Oral route :	300 < LD50 <= 2000 mg/kg Species : Rat OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Skin corrosion/skin irritation :

2-BUTYLOCTAN-1-OL (CAS: 3913-02-8)

Irritation :	No observed effect. Average score < 1.5 Species : Rabbit OCDE Ligne directrice 404 (Effet irritant/corrosif aigu sur la peau.)

Serious damage to eyes/eye irritation :

2-BUTYLOCTAN-1-OL (CAS: 3913-02-8)

Conjunctival redness :	Average score < 2 Species : Rabbit OCDE Ligne directrice 405 (Effet irritant/corrosif aigu sur les yeux)

Respiratory or skin sensitisation :

2-BUTYLOCTAN-1-OL (CAS: 3913-02-8)

Guinea Pig Maximisation Test (GMPT) :	Non-sensitiser. Species : Others OCDE Ligne directrice 406 (Sensibilisation de la peau)

Germ cell mutagenicity :

2-BUTYLOCTAN-1-OL (CAS: 3913-02-8)

	No mutagenic effect. EPA OTS 798.5100 (Escherichia coli WP2 and WP2 UVRA Reverse Mutation Test)

Ames test (in vitro) : Negative.

Specific target organ systemic toxicity - repeated exposure :

2-BUTYLOCTAN-1-OL (CAS: 3913-02-8)

Oral route : C = 839.6 mg/kg poids corporel/jour
Species : Rat
Duration of exposure : 90 jours
OCDE Ligne directrice 408 (Toxicité orale à doses répétées - rongeurs: 90 jours)

11.1.2. Mixture

Skin corrosion/skin irritation :

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties to the product

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

Aspiration hazard :

"Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons."
not very toxic by ingestion

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS: 55406-53-6)

Fish toxicity : LC50 = 0.145 mg/l
Factor M = 10
Species : Oncorhynchus mykiss
Duration of exposure : 96 h
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

NOEC = 0.014 mg/l
Factor M = 1
Species : Pimephales promelas
Duration of exposure : 28 jours
OCDE Ligne directrice 210 (Poisson, essai de toxicité aux premiers stades de la vie)

Crustacean toxicity : EC50 = 0.47 mg/l
Factor M = 10
Species : Daphnia magna
Duration of exposure : 48 h
OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

NOEC = 0.010 mg/l
Factor M = 1
Species : Daphnia magna
Duration of exposure : 21 jours
OCDE Ligne directrice 211 (Daphnia magna, essai de reproduction)

Algae toxicity : ECr50 = 0.049 mg/l
Factor M = 10
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h

NOEC = 0.013 mg/l
Factor M = 1
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h
OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance)

2-BUTYLOCTAN-1-OL (CAS: 3913-02-8)

Fish toxicity :	LC50 > 0.1 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)
Crustacean toxicity :	EC50 > 0.1 mg/l Species : Daphnia magna Duration of exposure : 48 h OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate) NOEC = 0.014 mg/l Species : Daphnia magna Duration of exposure : 21 jours OCDE Ligne directrice 211 (Daphnia magna, essai de reproduction)
Algae toxicity :	ECr50 > 1 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance) NOEC = 0.38 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h
Aquatic plant toxicity :	ECr50 > 1 mg/l

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS: 55406-53-6)

Biodegradability :	Rapidly degradable.

2-BUTYLOCTAN-1-OL (CAS: 3913-02-8)

Biodegradability :	Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS: 55406-53-6)

Octanol/water partition coefficient :	log Koe = 2.8 OCDE Ligne directrice 117 (Coefficient de partage (n-octanol/eau), méthode HPLC)

12.4. Mobility in soil

Water soluble

Mobile in soil

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Do not dispose of the product in the natural environment, effluents or surface waters.

German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air,

soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Classification and labelling information included in section 2:

The following regulations have been used:
- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

- Container information:

No data available.

- Particular provisions :

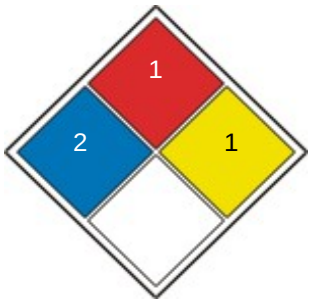
No data available.

- German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



15.2. Chemical safety assessment

No data available.

15.3 This substance is to be managed using the conditions specified in an applicable Group Standard

HSR002585

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure .
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.

Abbreviations :

DNEL : Derived No-Effect Level
PNEC : Predicted No-Effect Concentration
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefahrdungsklasse (Water Hazard Class).
GHS07 : Exclamation mark
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.