Safety Data Sheet

according to Hazardous Products Regulations (HPR; SOR/2015-17)

Trade name :	BASE201		
Revision date :	19.09.2023	**Version (Revision) :**	1.0.0
Print date :	19.09.2023		

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

1.1 Product identifier

BASE201

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

Relevant identified uses

Metal working fluids
Lubrication at high energy conditions in metal working operations

Uses advised against

No information available.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/downstream user/distributor)

2389305 Alberta ltd (www.CNCmarket.ca)

Street : 1144 Legacy cir SE
Postal code/City : Calgary, AB, T2X4E5
Telephone : 8257356698
E-mail address : info@CNCmarket.ca

1.4 Emergency telephone number

Chemtrec: **1-800-424-9300** (24h/7d)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to HPR (SOR/2015-17)

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.
Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.
Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

2.2 Label elements

Labelling according to HPR (SOR/2015-17)

Hazard pictograms

Exclamation mark (GHS07)

Signal word

Warning

Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

P337+P313	If eye irritation persists: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: Wash with plenty of water/....
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents and container in accordance with all local and national regulations.

2.3 Other hazards

Adverse environmental effects

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Base Oil and Additives

Hazardous ingredients

1-AMINOPROPAN-2-OL ; CAS No. : 78-96-6

Weight fraction : ≥ 1 - < 3 %

Classification: Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H312

2-AMINOETHANOL ; CAS No. : 141-43-5

Weight fraction : ≥ 1 - < 3 %

Classification: Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 STOT SE 3 ; H335 Aquatic Chronic 3 ; H412

DICYCLOHEXYLAMINE ; CAS No. : 101-83-7

Weight fraction : < 2 %

Classification: Acute Tox. 3 ; H301 Acute Tox. 3 ; H311 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

2-n-butyl-benzo[d]isothiazol-3-one ; CAS No. : 4299-07-4

Weight fraction : ≥ 0,1 - < 0,25 %

Classification: Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Further ingredients

TRIETHANOLAMIN ; CAS No. : 102-71-6

Weight fraction : 1 - 5 %

The highly refined mineral oil contains less than 3% (w/w) DMSO-extract, according to IP 346 and is not considered to be carcinogenic.

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. If unconscious but breathing normally, place in recovery position and seek medical advice.

Following inhalation

Remove victim out of the danger area. Remove casualty to fresh air and keep warm and at rest. Where appropriate artificial ventilation. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Change contaminated, saturated clothing. After contact with skin, wash with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

Following ingestion

Call a physician immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam, Extinguishing powder, Carbon dioxide (CO2), Water spray jet, Water mist

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated: Carbon dioxide (CO2), Carbon monoxide, Nitrogen oxides (NOx), Phosphorus oxides, Smoke and other incomplete combustion products.

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove persons to safety. Avoid contact with skin, eyes and clothes. Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Special danger of slipping by leaking/spilling product. Remove all sources of ignition.

6.2 Environmental precautions

Cover drains. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Cover drains. Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control. Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up

Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal. Ventilate affected area. Clean contaminated articles and floor according to the environmental legislation.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear personal protection equipment (refer to section 8). Use only in well-ventilated areas. Handle and open container with care. Always close containers tightly after the removal of product. Avoid contact with skin, eyes and clothes. Do not breathe gas/fumes/vapour/spray. Keep away from sources of ignition - No smoking.

Protective measures

Measures to prevent fire

Only use the material in places where open light, fire and other flammable sources can be kept away.

Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Shafts and sewers must be protected from entry of the product.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Use protective skin cream before handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Packaging materials

Only use containers specifically approved for the substance/product.

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Protect containers against damage. Floors should be impervious, resistant to liquids and easy to clean.

Hints on joint storage

Keep away from: Oxidizing agent

Do not store together with

Food and feedingstuffs

Further information on storage conditions

Recommended storage temperature : 5 - 40°C / 40 - 105°F.
Protect against : Heat. UV-radiation/sunlight Frost
Storage stability : Product may be stored for up to 12 months under described conditions.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

Base Oil	**Alberta Provincial** (Canada). **OEL**: 10 mg/m³ 15 minutes. Form: Mist **OEL**: 5 mg/m³ 8 hours . Form: Mist **Québec Provincial** (Canada). **STEV**: 10 mg/m³ 15 minutes. Form: mist **TWAEV**: 5 mg/m³ 8 hours. Form: mist
2-AMINOETHANOL ; CAS No. : 141-43-5	**Alberta Provincial** (Canada). **OEL**: 6 ppm 15 minutes **OEL**: 3 ppm 8 hours **British Columbia Provincial** (Canada).

	TWA: 3 ppm 8 hours **STEL:** 6 ppm 15 minutes **Ontario Provincial** (Canada). **TWA:** 3 ppm 8 hours **STEL:** 6 ppm 15 min **Québec Provincial** (Canada). **TWA:** 3 ppm 8 hours **STEL:** 6 ppm 15 min **Saskatchewan Provincial** (Canada). **TWA:** 3 ppm 8 hours **STEL:** 6 ppm 15 minutes
Triethanolamine; CAS No. : 102-71-6	**Alberta Provincial** (Canada). **OEL**: 5 mg/m³ 8 hours **British Columbia Provincial** (Canada). **TWA**: 5 mg/m³ 8 hours **Ontario Provincial** (Canada). **TWA:** 3.1 mg/m³ 8 hours **TWA:** 0.5 ppm 8 hours **Québec Provincial** (Canada). **TWAEV:** 5 mg/m³ 8 hours **Saskatchewan Provincial** (Canada). **STEL:** 10 mg/m³ 15 minutes **TWA:** 5 mg/m³ 8 hours

NOTE: Limits/standards shown for guidance only. Follow applicable regulations

8.2 Exposure controls

Appropriate engineering controls

Use only in well-ventilated areas. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Eye/face protection

Eye glasses with side protection EN 166

Skin protection

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Tested protective gloves must be worn: DIN EN 374 Do not wear gloves near rotary machines and tools.

Suitable material :

Wearing time with permanent contact:
Material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber),
Thickness of the glove material: 0,70 mm
Breakthrough time (maximum wearing time): > 480 min

Wearing time with occasional contact (splashes):
Material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber),
Thickness of the glove material: 0,40 mm
Breakthrough time (maximum wearing time): > 30 min

Unsuitable material : PVA (Polyvinyl alcohol),

Breakthrough time (maximum wearing time): : For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Check leak tightness/impermeability prior to use.

Body protection

If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.

Respiratory protection

Usually no personal respirative protection necessary. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation, aerosol or mist formation.

General information

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Wash contaminated clothing prior to re-use. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : Liquid

Colour : brown

Odour : characteristic

Safety characteristics

Melting point/freezing point :			No data available		
Initial boiling point and boiling range :	(1013 hPa)		not determined		
Flammability:			flammable		
Lower explosion limit :			No data available		
Upper explosion limit :			No data available		
Flash point :		>	100	°C	DIN EN ISO 2592
Auto-ignition temperature :			No data available		
Decomposition temperature :			not determined		
pH :	(20 °C / 5 Weight-%)		10,4		DIN 51369
Cinematic viscosity :	(20 °C)	approx.	460	mm^2/s	DIN EN ISO 3104
Water solubility :	(20 °C)		miscible		
log P O/W :			not applicable		
Vapour pressure :	(20 °C)		No data available		
Density :	(15 °C)		0,989	g/cm^3	DIN EN ISO 12185
Relative vapour density :	(20 °C)		No data available		

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Oxidising agent, strong.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on hazard classes

Toxicological data are not available. The statement is derived from the properties of the single components.

Acute toxicity

Based on available data, the classification criteria are not met.

Acute oral toxicity

Parameter :	LD50 (1-AMINOPROPAN-2-OL ; CAS No. : 78-96-6)
Exposure route :	Oral
Species :	Rat
Effective dose :	2813 mg/kg
Parameter :	LD50 (2-AMINOETHANOL ; CAS No. : 141-43-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	1000 mg/kg
Parameter :	LD50 (DICYCLOHEXYLAMINE ; CAS No. : 101-83-7)
Exposure route :	Oral
Species :	Rat
Effective dose :	200 mg/kg

Acute dermal toxicity

Parameter :	LD50 (1-AMINOPROPAN-2-OL ; CAS No. : 78-96-6)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	1851 mg/kg
Parameter :	LD50 (2-AMINOETHANOL ; CAS No. : 141-43-5)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	1025 mg/kg
Method :	literature
Parameter :	LD50 (DICYCLOHEXYLAMINE ; CAS No. : 101-83-7)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	200 - 316 mg/kg

Corrosion

Irritating to eyes and skin.

Skin corrosion/irritation

Parameter :	Skin corrosion/irritation (1-AMINOPROPAN-2-OL ; CAS No. : 78-96-6)
Species :	Rabbit
Result :	corrosive
Parameter :	Skin corrosion/irritation (2-AMINOETHANOL ; CAS No. : 141-43-5)
Species :	Rabbit
Result :	corrosive
Method :	OECD 404
Parameter :	Skin corrosion/irritation (DICYCLOHEXYLAMINE ; CAS No. : 101-83-7)
Species :	Rabbit
Result :	corrosive

Serious eye damage/eye irritation

Parameter :	Serious eye damage/eye irritation (1-AMINOPROPAN-2-OL ; CAS No. : 78-96-6)
Species :	Rabbit
Result :	corrosive

Parameter :	Serious eye damage/eye irritation (2-AMINOETHANOL ; CAS No. : 141-43-5)
Species :	Rabbit
Result :	corrosive
Method :	OECD 405
Parameter :	Serious eye damage/eye irritation (DICYCLOHEXYLAMINE ; CAS No. : 101-83-7)
Species :	Rabbit
Result :	corrosive

Respiratory or skin sensitisation
Based on available data, the classification criteria are not met. Contains components in low concentrations (< 1%) that present a skin-sensitizing potential.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Carcinogenicity
Based on available data, the classification criteria are not met.
Germ cell mutagenicity
Based on available data, the classification criteria are not met.
Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
STOT SE 1 and 2
Based on available data, the classification criteria are not met.

STOT-repeated exposure
STOT RE 1 and 2
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met. For viscosity data, see section 9.

11.2 Information on other hazards
No information available.

SECTION 12: Ecological information

12.1 Toxicity
For the product ecotoxicological data are not available. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

Aquatic toxicity
Harmful to aquatic life.

Acute (short-term) fish toxicity

Parameter :	LC50 (1-AMINOPROPAN-2-OL ; CAS No. : 78-96-6)
Species :	Leuciscus idus (golden orfe)
Effective dose :	215 - 464 mg/l
Exposure time :	96 h
Method :	DIN 38412 / part 15
Parameter :	LC50 (2-AMINOETHANOL ; CAS No. : 141-43-5)
Species :	Cyprinus carpio (Common Carp)
Effective dose :	> 100 mg/l
Exposure time :	96 h
Method :	OECD 203
Parameter :	LC50 (DICYCLOHEXYLAMINE ; CAS No. : 101-83-7)
Species :	Leuciscus idus (golden orfe)
Effective dose :	12 mg/l
Exposure time :	96 h
Method :	OECD 203

Acute (short-term) toxicity to crustacea

Parameter :	EC50 (1-AMINOPROPAN-2-OL ; CAS No. : 78-96-6)
Species :	Daphnia magna (Big water flea)
Effective dose :	108,8 mg/l
Exposure time :	48 h
Parameter :	EC50 (2-AMINOETHANOL ; CAS No. : 141-43-5)
Species :	Daphnia magna (Big water flea)
Effective dose :	65 mg/l
Exposure time :	48 h
Parameter :	EC50 (DICYCLOHEXYLAMINE ; CAS No. : 101-83-7)
Species :	Daphnia magna (Big water flea)
Effective dose :	8 mg/l
Exposure time :	48 h
Method :	OECD 202

Acute (short-term) toxicity to algae and cyanobacteria

Parameter :	EC50 (1-AMINOPROPAN-2-OL ; CAS No. : 78-96-6)
Species :	Scenedesmus subspicatus
Effective dose :	32,7 mg/l
Exposure time :	72 h
Method :	DIN 38412 / part 9
Parameter :	EC50 (2-AMINOETHANOL ; CAS No. : 141-43-5)
Species :	Scenedesmus subspicatus
Effective dose :	22 mg/l
Exposure time :	72 h
Parameter :	EC50 (DICYCLOHEXYLAMINE ; CAS No. : 101-83-7)
Species :	Scenedesmus subspicatus
Effective dose :	3,3 mg/l
Exposure time :	72 h
Method :	OECD 201

12.2 Persistence and degradability

Abiotic degradation

Poorly eliminated from water.

Biodegradation

Part of the components is biodegradable.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

12.8 Additional ecotoxicological information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Consult the appropriate local waste disposal expert about waste disposal. Dispose of waste according to applicable legislation.

Non-contaminated packages may be recycled.
Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Do not pressurise, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition.

SECTION 14: Transport information

14.1 UN number or ID number
No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name
No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)
No dangerous good in sense of these transport regulations.

14.4 Packing group
No dangerous good in sense of these transport regulations.

14.5 Environmental hazards
No dangerous good in sense of these transport regulations.

14.6 Special precautions for user
None

SECTION 15: Regulatory information

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

NFPA Hazard ID: Health: 2; Flammability: 1; Reactivity: 1
HMIS Hazard ID: Health: 2; Flammability: 1; Reactivity: 1

CEPA: All components of this product are either on the Domestic Substance List (DSL) or are exempt.

This material is considered to be hazardous according to regulatory guidelines.

This product has been classified in accordance with hazard criteria of the Hazardous Products Regulations (HPR) SOR/2015-17 and the SDS contains all the information required by the HPR SOR/2015-17.

15.2 Chemical Safety Assessment
No information available.

SECTION 16: Other information

16.1 Indication of changes
none

16.2 Abbreviations and acronyms
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)

GHS: Globally Harmonized System on the Classification and Labelling of Chemicals
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
EC50: Effective concentration, 50 percent
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

16.3 Key literature references and sources for data

Sources of information used in preparing this SDS included one or more of the following: Product Dossiers and SDS from suppliers, complemented by public sources, as appropriate (GESTIS, the EU IUCLID Data Base, U.S. NTP publications, e.g.).

16.4 Classification for mixtures and used evaluation method

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

Provide adequate information, instruction and training for operators.

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.