

SAFETY DATA SHEET



Tribol GR SW 460-1

Section 1. Identification

GHS product identifier Tribol GR SW 460-1
SDS # 469396
Product code 469396-US17

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

Identified uses Grease for industrial applications.
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

Uses advised against Consult with experts for use other than relevant identified use.

Supplier's details CASTROL BRASIL LTDA.
Avenida das Américas no. 3.434, bloco 07,
salas 301 a 308, Barra da Tijuca,
Rio de Janeiro/RJ, CEP 22.640-102.
Brasil

EMERGENCY SPILL INFORMATION: +55 0800 7040 720 (24h)

e-mail address of person responsible for this SDS MSDSadvice@bp.com

Section 2. Hazards identification

Classification of the substance or mixture SKIN SENSITIZATION - Category 1
AQUATIC HAZARD (ACUTE) - Category 3
AQUATIC HAZARD (LONG-TERM) - Category 3

GHS label elements

Hazard pictograms



Signal word

Warning

Hazard statements

H317 - May cause an allergic skin reaction.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P280 - Wear protective gloves.
P273 - Avoid release to the environment.
P261 - Avoid breathing dust.
P272 - Contaminated work clothing should not be allowed out of the workplace.

Response

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical attention.
P362 + P364 - Take off contaminated clothing and wash it before reuse.

Storage

Not applicable.

Product name Tribol GR SW 460-1

Product code 469396-US17 **Page:** 1/14

Version 1.02 **Date of issue** 11/06/2025.

Format Brazil
(Brazil)

Language ENGLISH
(ENGLISH)

Section 2. Hazards identification

Disposal

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not result in classification

Defatting to the skin.
Note: High Pressure Applications
Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency.
See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.

Section 3. Composition/information on ingredients

Substance/mixture

Mixture

Synthetic lubricant and additives. Thickening agent.

Ingredient name	%	Identifiers	Classification
Lithium azelate	≤5	CAS: 38900-29-7	ACUTE TOXICITY (oral) - Category 4
Naphthenic acids, zinc salts	≤5	CAS: 12001-85-3	EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2
4,4'-methylene bis (dibutyldithiocarbamate)	≤3	CAS: 10254-57-6	AQUATIC HAZARD (LONG-TERM) - Category 4
Distillates (petroleum), hydrotreated heavy naphthenic	≤3	CAS: 64742-52-5	Not classified as hazardous according to ABNT NBR 14725
Molybdenum, bis (dibutylcarbamodithioato)di-μ-oxodioxodi-, sulfurized	≤3	CAS: 68412-26-0	Not classified as hazardous according to ABNT NBR 14725
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	<1	CAS: 72676-55-2	SKIN SENSITIZATION - Category 1B AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.

Inhalation

If inhaled, remove to fresh air. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention if symptoms occur.

Product name Tribol GR SW 460-1

Product code 469396-US17 Page: 2/14

Version 1.02 Date of issue 11/06/2025.

Format Brazil
(Brazil)

Language ENGLISH
(ENGLISH)

Section 4. First aid measures

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Clean shoes thoroughly before reuse. In the event of any complaints or symptoms, avoid further exposure. Get medical attention. If skin irritation or rash occurs: Get medical advice/attention.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Get medical attention if adverse health effects persist or are severe.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact No known significant effects or critical hazards.

Inhalation Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.

Ingestion No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact No specific data.

Inhalation No specific data.

Skin contact Adverse symptoms may include the following:
irritation
redness
dryness
cracking

Ingestion No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treatment should in general be symptomatic and directed to relieving any effects. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discolored and extremely painful with extensive subcutaneous necrosis.

Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimize tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

Specific treatments No specific treatment.

Protection of first-aiders No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

In case of fire, use water fog, alcohol resistant foam, dry chemical or carbon dioxide extinguisher or spray.

Unsuitable extinguishing media

Do not use water jet.

Specific hazards arising from the chemical

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. This material is harmful to aquatic life with long lasting effects.

Hazardous thermal decomposition products

Combustion products may include the following:
metal oxide/oxides
carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide)
sulfur oxides (SO, SO₂ etc.)
nitrogen oxides (NO, NO₂ etc.)

Special protective actions for fire-fighters

No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

Special protective equipment for fire-fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Contact emergency personnel. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and materials for containment and cleaning up

Small spill

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. If emergency personnel are unavailable, contain spilled material. Suction or scoop the spill into appropriate disposal or recycling vessels, then cover spill area with oil absorbent. Dispose of via a licensed waste disposal contractor. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Avoid contact of spilled material and runoff with soil and surface waterways.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Not suitable

Prolonged exposure to elevated temperature

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated heavy naphthenic	ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m ³ . Form: Inhalable fraction. Issued/Revised: 11/2009.
Molybdenum, bis(dibutylcarbamodithioato)di-μ-oxodioxodi-, sulfurized	ACGIH TLV (United States) [Molybdenum, Metal and insoluble compounds] TWA 8 hours: 10 mg/m ³ (as Mo). Form: Inhalable fraction. Issued/Revised: 2/2001. TWA 8 hours: 3 mg/m ³ (as Mo). Form: Respirable fraction. Issued/Revised: 2/2001.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

Product name Tribol GR SW 460-1

Product code 469396-US17 **Page:** 5/14

Version 1.02 **Date of issue** 11/06/2025.

Format Brazil
(Brazil)

Language ENGLISH
(ENGLISH)

Section 8. Exposure controls/personal protection

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

☑ Safety glasses with side shields.

Skin protection

Hand protection

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Skin protection

Use of protective clothing is good industrial practice. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

Respiratory protection

☑ In case of insufficient ventilation, wear suitable respiratory equipment. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	Solid. [Grease]
Color	Yellow. [Dark]
Odor	Not available.
Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not available.
Boiling point or initial boiling point and boiling range	Not available.
Flash point	Open cup: 200°C (392°F) [Cleveland ASTM D 92]
Evaporation rate	Not available.
Flammability	

Product name Tribol GR SW 460-1

Product code 469396-US17 Page: 6/14

Version 1.02 Date of issue 11/06/2025.

Format Brazil
(Brazil)

Language ENGLISH
(ENGLISH)

Section 9. Physical and chemical properties

	Not available.
Lower and upper explosion limit/flammability limit	Not applicable.
Vapor pressure	Not available.
Relative vapor density	Not applicable.
Relative density	Not available.
Density	<1000 kg/m ³ (<1 g/cm ³) at 15.6°C
Solubility(ies)	

Media	Result
water	Not soluble

Solubility in water	Not available.
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Particle characteristics	
Median particle size	Not available.
Shape	

Section 10. Stability and reactivity

Reactivity	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid	Avoid all possible sources of ignition (spark or flame).
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name
Naphthenic acids, zinc salts

Result

Rat - Oral - LD50
>5000 mg/kg
OECD 423

Rabbit - Dermal - LD50
>2000 mg/kg
OECD 402

4,4'-methylene bis(dibutylidithiocarbamate)

Rat - Oral - LD50
>5000 mg/kg
OECD 401

Product name Tribol GR SW 460-1

Product code 469396-US17 **Page:** 7/14

Version 1.02 **Date of issue** 11/06/2025.

Format Brazil
(Brazil)

Language ENGLISH
(ENGLISH)

Section 11. Toxicological information

Rabbit - Dermal - LD50

>2000 mg/kg
OECD 402

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione

Rat - Oral - LD50

>2000 mg/kg
OECD 420

Rabbit - Dermal - LD50

>2000 mg/kg
OECD 402

Skin corrosion/irritation

Product/ingredient name

Naphthenic acids, zinc salts

4,4'-methylene bis(dibutyldithiocarbamate)

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione

Result

RhE - Skin - Not irritant

OECD 439

Rabbit - Skin - Not irritant

OECD 404

Rabbit - Skin - Not irritant

OECD 404

Serious eye damage/eye irritation

Product/ingredient name

Naphthenic acids, zinc salts

4,4'-methylene bis(dibutyldithiocarbamate)

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione

Result

RhCE - Eyes - Irritant

OECD 492

Rabbit - Eyes - Not irritant

OECD 405

Rabbit - Eyes - Not irritant

OECD 405

Respiratory or skin sensitization

Product/ingredient name

Naphthenic acids, zinc salts

4,4'-methylene bis(dibutyldithiocarbamate)

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione

Result

Unspecified - skin

OECD 442D

Result: Sensitizing

Mouse - skin

OECD 429

Result: Not sensitizing

Mouse - skin

OECD 429

Result: Sensitizing

Product/ingredient name	Hazard class	Category
<input checked="" type="checkbox"/> Naphthenic acids, zinc salts	SKIN SENSITIZATION	Category 1B
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	SKIN SENSITIZATION	Category 1B

Germ cell mutagenicity

Product/ingredient name

Naphthenic acids, zinc salts

Result

In vitro - Bacteria

OECD 471

Result: Negative

In vitro - Mammalian-Animal

OECD 473

Result: Negative

In vitro - Mammalian-Animal

OECD 476

Product name Tribol GR SW 460-1

Product code 469396-US17 **Page:** 8/14

Version 1.02 **Date of issue** 11/06/2025.

Format Brazil

Language ENGLISH

(Brazil)

(ENGLISH)

Section 11. Toxicological information

4,4'-methylene bis(dibutyldithiocarbamate)	<u>Result:</u> Negative In vitro - Bacteria OECD 471 <u>Result:</u> Negative In vitro - Mammalian-Animal OECD 473 <u>Result:</u> Negative In vitro - Mammalian-Animal OECD 476
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	<u>Result:</u> Negative In vitro - Bacteria OECD 471 <u>Result:</u> Negative In vitro - Mammalian-Animal OECD 487 <u>Result:</u> Negative In vitro - Mammalian-Animal OECD 476 <u>Result:</u> Positive

Carcinogenicity

<u>Product/ingredient name</u>	<u>Result</u>
Not available.	

<u>Product/ingredient name</u>	<u>Category</u>	<u>Route of exposure</u>
Not available.		

Classification

Not available.

Reproductive toxicity

<u>Product/ingredient name</u>	<u>Result</u>
<input checked="" type="checkbox"/> Naphthenic acids, zinc salts	Rat - Oral OECD 422 <u>Maternal toxicity:</u> Negative <u>Fertility effects:</u> Negative <u>Developmental:</u> Negative
4,4'-methylene bis(dibutyldithiocarbamate)	Rat - Oral OECD 422 <u>Maternal toxicity:</u> Negative <u>Fertility effects:</u> Negative <u>Developmental:</u> Negative
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	Rat - Oral OECD 422 <u>Maternal toxicity:</u> Positive <u>Fertility effects:</u> Negative <u>Developmental:</u> Negative

<u>Product/ingredient name</u>	<u>Hazard class</u>	<u>Category</u>	<u>Route of exposure</u>	<u>Effects</u>
Not available.				

Specific target organ toxicity (single exposure)

Not available.

Section 11. Toxicological information

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact	No known significant effects or critical hazards.
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
Ingestion	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	No specific data.
Inhalation	No specific data.
Skin contact	Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Eye contact	Potential risk of transient stinging or redness if accidental eye contact occurs.
Skin contact	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Ingestion	Ingestion of large quantities may cause nausea and diarrhea.
Short term exposure	
Potential immediate effects	Not available.
Potential delayed effects	Not available.
Long term exposure	
Potential immediate effects	Not available.
Potential delayed effects	Not available.

Potential chronic health effects

General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Reproductive toxicity	<input checked="" type="checkbox"/> No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

Route	ATE value
Oral	12229.17 mg/kg

Section 12. Ecological information

Toxicity

Product/ingredient name

Naphthenic acids, zinc salts

Result

Acute - ErL50

OECD 201
Algae
4 mg/l [72 hours]

Acute - EL50

OECD 202
Daphnia
35 mg/l [48 hours]

Acute - LL50

OECD 203
Fish
≥100 mg/l [96 hours]

Chronic - NOELR

OECD 201
Algae
1 mg/l [72 hours]

4,4'-methylene bis(dibutyldithiocarbamate)

Acute - ErC50

OECD 201
Algae
>0.0325 mg/l [72 hours]

Acute - EC50

OECD 202
Daphnia
>0.052 mg/l [48 hours]

Acute - EL50

OECD 203
Fish
>0.06 mg/l [96 hours]

Chronic - NOEC

OECD 211
Daphnia
0.247 mg/l [21 days]

Chronic - NOEC

OECD 201
Algae
0.0325 mg/l [72 hours]

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione

Acute - ErC50

OECD 201
Algae
20 mg/l [72 hours]

Acute - EC50

OECD 202
Daphnia
3 mg/l [48 hours]

Acute - EC50

OECD 203
Fish
>454 mg/l [96 hours]

Chronic - NOEC

OECD 201
Algae

Product name Tribol GR SW 460-1

Product code 469396-US17 Page: 11/14

Version 1.02 Date of issue 11/06/2025.

Format Brazil
(Brazil)

Language ENGLISH
(ENGLISH)

Section 12. Ecological information

9.4 mg/l [72 hours]

Persistence/degradability

No testing has been performed by the manufacturer.

Product/ingredient name

4,4'-methylene bis(dibutyldithiocarbamate)

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione

Result

OECD 301B

21% [28 days] - Not readily

OECD 301B

0% [28 days] - Not readily

Bioaccumulative potential

No testing has been performed by the manufacturer.

Product/ingredient name	LogP _{ow}	BCF	Potential
4,4'-methylene bis(dibutyldithiocarbamate)	8.42	10.86	Low
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	1.46	-	Low

Mobility in soil

Soil/Water partition coefficient

Not available.

Mobility

Grease. insoluble in water.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	Brazil (ANTT)	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-

Product name Tribol GR SW 460-1

Product code 469396-US17 Page: 12/14

Version 1.02 Date of issue 11/06/2025.

Format Brazil

Language ENGLISH

(Brazil)

(ENGLISH)

Section 14. Transport information

Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

Special precautions for user Not available.

Transport in bulk according to IMO instruments Not available.

Section 15. Regulatory information

This safety data sheet was prepared in accordance with the Brazilian Standard (ABNT NBR 14725)

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia inventory (AIC)

All components are listed or exempted.

Canada inventory

All components are listed or exempted.

China inventory (IECSC)

All components are listed or exempted.

REACH Status

For the REACH status of this product please consult your company contact, as identified in Section 1.

Japan inventory (CSCL)

All components are listed or exempted.

Korea inventory (KECI)

All components are listed or exempted.

Philippines inventory (PICCS)

All components are listed or exempted.

Taiwan Chemical Substances Inventory (TCSI)

All components are listed or exempted.

United States inventory (TSCA 8b)

All components are active or exempted.

Section 16. Other information

History

Date of printing	11/06/2025.
Date of issue/Date of revision	11/06/2025.
Date of previous issue	21/02/2024.
Version	1.02
Prepared by	Product Stewardship

Product name Tribol GR SW 460-1

Product code 469396-US17 Page: 13/14

Version 1.02 Date of issue 11/06/2025.

Format Brazil
(Brazil)

Language ENGLISH
(ENGLISH)

Section 16. Other information

Key to abbreviations

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
IMO = International Maritime Organization
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Procedure used to derive the classification

Classification	Justification
SKIN SENSITIZATION - Category 1	Calculation method
AQUATIC HAZARD (ACUTE) - Category 3	Calculation method
AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method

References

Not available.

✔ Indicates information that has changed from previously issued version.

Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below.

The data and advice given apply when the product is sold and applied for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

Product name Tribol GR SW 460-1

Product code 469396-US17 **Page:** 14/14

Version 1.02 **Date of issue** 11/06/2025.

Format Brazil
(Brazil)

Language ENGLISH
(ENGLISH)