

SAFETY DATA SHEET

1. Identification of the hazardous chemical and of the supplier

Product identifier: PARTS CLEANER 1580S

Other means of identification: No data available.

Recommended use of the chemical and restrictions on use

Recommended use: Industrial cleaning fluid

Recommended restrictions: Industrial use only

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: LUBRICANTES FUCHS DE MEXICO, S.A. DE C.V.
Address: Acceso C No. 101 Parque Industrial Jurica
C.P. 76120 Querétaro, Qro/México
Telephone: + 52 (442) 238-9100
Fax: + 52 (442) 238-9110
Contact Person: Departamento de Calidad
E-mail: info@fuchs.com.mx

Emergency telephone number:

CENACOM:

1 800 00 41 300 sin costos y (55) 55 50 15 52, 55) 55 50 14 96 en la Cd. de Mexico

SETIQ:

1 800 00 214 00 sin costos y (55) 55 59 15 88 en la Cd. de Mexico

COATEA:

1 800 710 49 43 sin costos y (55) 26 15 20 45 y (55) 54 49 63 91 en la Cd. de Mexico

2. Hazard(s) identification

Hazard Classification

Health Hazards

| | |
|-----------------------------------|-------------|
| Acute toxicity (Oral) | Category 5 |
| Acute toxicity (Dermal) | Category 5 |
| Skin Corrosion/Irritation | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 2A |
| Toxic to reproduction | Category 2 |

Unknown toxicity - Health

| | |
|--|---------|
| Acute toxicity, oral | 4.56 % |
| Acute toxicity, dermal | 3.88 % |
| Acute toxicity, inhalation, vapor | 34.47 % |
| Acute toxicity, inhalation, dust or mist | 34.48 % |

Label Elements

Hazard Symbol:



Signal Word:

Warning

Hazard Statement:

H303+H313: May be harmful if swallowed or in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary Statements

Prevention:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P264: Wash face, hands and any exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P312: Call a POISON CENTER or doctor/ physician if you feel unwell.
P302+P352: IF ON SKIN: Wash with plenty of water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P321: Specific treatment (see supplemental first aid instructions on this label).
P362+P364: Take off contaminated clothing and wash it before reuse.
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.
P308+P313: IF exposed or concerned: Get medical advice/attention.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

3. Composition/information on ingredients

Mixtures

| Chemical Identity | CAS number | Content in percent (%)* |
|--|--------------|-------------------------|
| Triethanolamine | 102-71-6 | 10 - 30% |
| 2-butoxyethanol | 111-76-2 | 7 - 13% |
| Sodium Tetraborate Decahydrate | 1303-96-4 | 3 - 7% |
| Potassium carbonate | 584-08-7 | 1 - 5% |
| Diphosphoric acid, tetrapotassium salt | Trade Secret | 1 - 5% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Trade secret information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation: Move to fresh air. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Ingestion: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.

5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray, fog, CO₂, dry chemical, or regular foam. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Heat may cause the containers to explode. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures: No data available.

Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

For non-emergency personnel: No data available.

For emergency responders: No data available.

Methods and material for containment and cleaning up: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal.

Environmental Precautions: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling: Contains amines. Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Wash hands thoroughly after handling. Add material slowly when mixing with water. Do not add water to the material; instead, add the material to the water. Avoid contact with skin.

Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

| Chemical Identity | Type | Exposure Limit Values | Source |
|-------------------|---------|-----------------------|-----------------------------------|
| Triethanolamine | VLE-PPT | 5 mg/m3 | Mexico. OELs. (NOM-010-STPS-2014) |

| | | | |
|--|---------|---------|--|
| | | | Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014) |
| 2-butoxyethanol | VLE-PPT | 20 ppm | Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014) |
| Sodium Tetraborate Decahydrate - Inhalable fraction. | VLE-CT | 6 mg/m3 | Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014) |
| | VLE-PPT | 2 mg/m3 | Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014) |

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment

General information:

Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye/face protection:

Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection:

No data available.

Other:

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Respiratory Protection:

In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. Physical and chemical properties

Appearance

Physical state:

liquid

Form:

No data available.

Color:

Water-white

Odor:

Mild

Odor threshold:

No data available.

pH:

11.25

| | |
|--|--------------------|
| Melting point/freezing point: | No data available. |
| Initial boiling point and boiling range: | No data available. |
| Flash Point: | not applicable |
| Evaporation rate: | No data available. |
| Flammability (solid, gas): | No data available. |
| Upper/lower limit on flammability or explosive limits | |
| Flammability limit - upper (%): | No data available. |
| Flammability limit - lower (%): | No data available. |
| Explosive limit - upper: | No data available. |
| Explosive limit - lower: | No data available. |
| Vapor pressure: | No data available. |
| Vapor density: | No data available. |
| Density: | No data available. |
| Relative density: | 1.1 |
| Solubility(ies) | |
| Solubility in water: | Soluble |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| Viscosity: | No data available. |

Other information

| | |
|-------------|--------------------|
| VOC: | 92.58 g/l 9.26 g/l |
|-------------|--------------------|

10. Stability and reactivity

| | |
|--|---|
| Reactivity: | Not reactive during normal use. |
| Chemical Stability: | Material is stable under normal conditions. |
| Possibility of hazardous reactions: | None under normal conditions. |
| Conditions to avoid: | Avoid heat or contamination. |
| Incompatible Materials: | No data available. |
| Hazardous Decomposition Products: | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

11. Toxicological information

Information on likely routes of exposure

| | |
|--------------------|---------------------|
| Inhalation: | Harmful if inhaled. |
|--------------------|---------------------|

Skin Contact: Causes skin irritation.

Eye contact: Causes serious eye irritation.

Ingestion: May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix (): 2000 - 5000 mg/kg

Dermal

Product: ATEmix (): 2000 - 5000 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

| | |
|---|---|
| Sodium Tetraborate Decahydrate | LC 50 (Rat): 2 mg/l |
| Potassium carbonate | LC 50 (Rat): > 4.96 mg/l |
| Diphosphoric acid, tetrapotassium salt | LC 50 (Rat): > 1.1 mg/l LC 50 (Rat): > 0.58 mg/l |

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

| | |
|---|---|
| Triethanolamine | in vivo (Rabbit): Not irritant , 24 - 72 h Experimental result, Supporting study |
| 2-butoxyethanol | in vivo (Rabbit): Not irritant , 4 - 72 h Experimental result, Key study Irritating. in vivo (Rabbit): Irritating Experimental result, Key study in vivo (Rabbit): Irritating , 24 - 72 h Experimental result, Key study in vivo (Rabbit): Irritating , 24 h Experimental result, Key study in vivo (Rabbit): Irritating , 72 h Experimental result, Key study |
| Potassium carbonate | Irritating in vivo (Rabbit): Not irritant , 24 - 72 h Experimental result, Supporting study |
| Diphosphoric acid, tetrapotassium salt | in vivo (Rabbit): Not irritant , > 0.00 h Experimental result, Supporting study Slight in vivo (Rabbit): Not irritant , 24 - 72 h Experimental result, Key study in vivo (Rabbit): powdered form: non-irritating, 50.0% aqueous solution: slightly irritating. , 24 h Experimental result, Supporting study |

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

2-butoxyethanol Rabbit, 24 - 72 hrs: Irritating EU
Rabbit, 5 hrs: Irritating EU

Diphosphoric acid, tetrapotassium salt Rabbit: Category 1 EU

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: A human study of occupationally exposed borate worker population showed no adverse reproductive effects. Animal studies indicate that boric acid reduces or inhibits sperm production, cause testicular atrophy, and when given to pregnant animals during gestation, may cause developmental changes. These feed studies were conducted under chronic exposure conditions leading to doses many times in excess of those that could occur through inhalation of dust in the occupational setting. Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s):

2-butoxyethanol May be fatal if swallowed and enters airways.

Other effects:

Skin irritation Eye irritation Upper Respiratory Tract irritation Testes kidney damage liver damage Cancer Central Nervous System impairment Peripheral Nervous System impairment Hematological effects Lung cancer

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Triethanolamine
LC 50 (Rainbow Trout, 4 d): 11,800 mg/l
LC 50 (Fish, 96 h): > 100 mg/l
LC 50 (Lepomis macrochirus, 96 h): 450 mg/l

2-butoxyethanol LC 50 (Inland silverside (Menidia beryllina), 96 h): 1,250 mg/l Mortality

Sodium Tetraborate
Decahydrate LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 28 d): 16 - 48 mg/l Mortality

Potassium carbonate
LC 50 (Bluegill (Lepomis macrochirus), 96 h): 230 mg/l
LC 50 (Fathead Minnow, 246 h): 940 mg/l
LC 50 (Rainbow Trout, 96 h): 68 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Triethanolamine
EC50 (Daphnia, 21 d): > 16 mg/l
EC50 (Daphnia, 48 h): 609.9 mg/l
EC50 (Daphnia, 24 h): 1,386 mg/l

2-butoxyethanol
LC 50 (Common shrimp, sand shrimp (Crangon crangon), 96 h): 550 - 950 mg/l Mortality
EC50 (Daphnia, 48 h): > 100 mg/l
EC50 (Daphnia, 48 h): 1,000 mg/l

| | |
|---|--|
| Potassium carbonate | LC 50 (Water Flea, 24 h): 630 mg/l LC 50 (Water Flea, 48 h): 630 mg/l |
| Diphosphoric acid, tetrapotassium salt | LC 50 (Zebra mussel (Dreissena polymorpha), 24 h): 72 - 158 mg/l Mortality |

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s):

Triethanolamine
EC50 (Alga, 72 h): 216 mg/l
EC50 (Alga, 96 h): 169 mg/l

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

Triethanolamine
Log Kow: -1.75 - -1.32 No Estimated by calculation, Weight of Evidence study

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

| | |
|---|--------------------|
| Triethanolamine | No data available. |
| 2-butoxyethanol | No data available. |
| Sodium Tetraborate | No data available. |
| Decahydrate | |
| Potassium carbonate | No data available. |
| Diphosphoric acid, tetrapotassium salt | No data available. |

Other adverse effects: No data available.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT
Not regulated.

IATA
Not regulated.

IMDG
Not regulated.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)
None present or none present in regulated quantities.

Mexico. Federal Law for the Control of Chemical Substances Susceptible to Diversion to Manufacturing of Chemical Weapons, Appendix 1: National list of chemical substances

Mexico. Wastewater Discharges - Maximum Limits into Coastal Waters, Dams, Rivers, Soil and Wetlands (NOM-001-ECOL)

Mexico. Hazardous Chemicals (NOM-028-STPS-2012, System for administration of workplace safety in the process and critical equipment for handling hazardous chemicals, Appendix A, Table A.I)
Not applicable

Mexico. Narcotic Drugs List (General Health Law, Articles 234 & 239, Feb. 7, 1984)
Not applicable

Mexico. Psychotropic Drugs (General Health Law, Feb. 7, 1984, Articles 245 & 254 Bis)
Not applicable

16. Other information, including date of preparation or last revision

Issue Date: 02/08/2023
SDS_MX - 000000011138

Revision Information: 02/08/2023: ARGHS_MX

Version #: 1.2

Further Information: No data available.

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.