Dear simalube Customer,

We hereby confirm that the automatic lubricators simalube and simalube multipoint with the designation SL18 are filled with Blaser Foodoil SG 220 lubricant. The Material Safety Data Sheet (MSDS) for this lubricant is provided on the following pages. Please visit www.simatec.com for further technical data regarding this lubricant and simatec automatic lubricators.

Werter simalube Kunde


Cher client simalube

Nous certifions que les graisseurs automatiques simalube et simalube multipoint appelés SL18 sont remplis avec le lubrifiant Blaser Foodoil SG 220. La fiche de données de sécurité de ce lubrifiant peut être trouvé dans les pages suivantes. Concernant les données techniques du lubrifiant tout comme les graisseurs automatiques simalube, vous allez trouver ces détails sous le lien suivant : www.simatec.com

Estimado cliente de simalube

Por la presente certificamos que los lubricadores automáticos simalube y simalube multipoint con la designación SL18, están rellenados con el lubricante Blaser Foodoil SG 220. La ficha de datos de seguridad de este lubricante Usted pueden encontrar en las siguientes páginas. Para especificaciones técnicas del lubricante y de los lubricadores automáticos simalube ver: www.simatec.com

Caro cliente simalube

Con la presente confermiamo che i lubrificatori automatici simalube e simalube multipoint con la designazione SL18 sono riempiti con lubrificante Blaser Foodoil SG 220. La scheda dati di sicurezza per questo lubrificante è riportato sulle seguenti pagine. I dati tecnici del lubrificante e dei lubrificatori automatici sono disponibili sul sito: www.simatec.com

01.11.2016 / simatec ag, Wangen a. Aare, Switzerland
SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
  - **Trade name:** Foodoil SG 220
  - **Article number:** 00706-01

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

No further relevant information available.

1.3 Details of the supplier of the safety data sheet

- **Manufacturer / Supplier:**
  - BLASER SWISSLUBE AG
  - Winterseistrasse 22
  - CH-3415 Hasle-Rüegsau
  - Switzerland
  - Tel.: +41 (0)34 460 01 01
  - Fax: +41 (0)34 460 01 00
  - E-mail: blaser@blaser.com

- **Further information obtainable from:**
  - Product Safety Department
  - E-mail: sds@blaser.com

1.4 Emergency telephone number:

Toxicological information Switzerland:
- 24-h-Emergency number: 145 (from abroad: +41 44 251 51 51)
- Information: +41 44 251 66 66
- For advice on chemical emergencies, spillages, fires or exposures: +44 1235 239670 (24h/7d)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

- **Classification according to Regulation (EC) No 1272/2008**
  This product is considered not hazardous according to the CLP regulation.

2.2 Label elements

- **Labeling according to Regulation (EC) No 1272/2008**
  The product does not meet the criteria which leads to a labeling.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

2.3 Other hazards None

2.4 Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

- **Description:**
  - Mixture of substances listed below with nonhazardous additions.
  - Mixture of synthetic oils and additives

- **Declarable, or hazardous components:**
  - CAS-no.
  - Void

- **Additional information:**
  - Not mentioned CAS-, EINECS- or registration numbers are to be regarded as Proprietary/Confidential.
SECTION 4: First aid measures

4.1 Description of first aid measures
· General information: No special measures required.
· After skin contact: Generally the product does not irritate the skin.
· After eye contact: Rinse opened eye for several minutes under running water.
· After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
· Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.
· For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture
No further relevant information available.

5.3 Advice for firefighters
· Protective equipment: No special measures required.
· Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Not required.

6.2 Environmental precautions: Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.
Observe the general safety regulations when handling chemicals.
· Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
· Storage:
· Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
· Information about storage in one common storage facility: Store away from oxidising agents.
· Further information about storage conditions:
Protect from heat and direct sunlight.
Optimal storage temperature between -15 °C and +40 °C.
Duration of storage: In original container, at least 3 years.

7.3 Specific end use(s)
No further relevant information available.
SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

- 8.1 Control parameters

- Ingredients with limit values at the workplace: TLV value (oil mist) CH: 5 mg/m³

- Additional information: The lists valid during the making were used as basis.

- 8.2 Exposure controls

- Personal protective equipment:

- General protective and hygienic measures:
  The usual precautionary measures are to be adhered to when handling chemicals.

- Respiratory protection: Not required.

- Protection of hands:
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves
  The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the resultant standard EN 374.
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
  The break through, among others, depending on material density and the type of glove and therefore must be determined in each individual case.
  Gloves must be inspected prior to use. Replace when worn!
  Impervious gloves: nitrile rubber, minimum thickness of 0.3 mm.

- Penetration time of glove material
  The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection: Eye protector with side protection (framed eyeglasses) EN 166.

- Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:
  Form: Liquid
  Colour: Yellowish
  Odour: Weak, characteristic
  Odour threshold: Not determined.

- pH-value: Not applicable.

- Change in condition:
  Melting point/freezing point: Not applicable
  Initial boiling point and boiling range: >300 °C (DIN 51751 / ASTM D86)
  Drip point: Not applicable
  Pour point: -27 °C (ISO 3016 / ASTM D97)

- Flash point: 258 °C (ISO 2592 / ASTM D92)

- Flammability (solid, gas): Not applicable.
  Ignition temperature: >350 °C (DIN 51794 / ASTM E659)

- Decomposition temperature: Not determined.

- Auto-ignition temperature: Product is not selfigniting.

- Explosive properties: Product does not present an explosion hazard.
Trade name: Foodoil SG 220

 Explosion limits (@1013 mbar):
  Lower: Not determined.
  Upper: Not determined.

 Oxidising properties:
  Not applicable.

 Density at 20 °C:
  0.84 g/cm³ (DIN 51757 / ASTM D1217)

 Vapour density:
  Not applicable.

 Evaporation rate:
  Not determined.

 Solubility in / Miscibility with water:
  Insoluble.

 Partition coefficient: n-octanol/water:
  Not determined.

 Viscosity:
  Kinematic at 40 °C:
  220 mm²/s (ISO 3104 / ASTM D445)

 VOC (CH):
  0.00 %

 9.2 Other information:
  safety relevant data, which has to be considered as product specifications.

SECTION 10: Stability and reactivity

 10.1 Reactivity:
  None known if used as directed.

 10.2 Chemical stability:
  Stable under recommended storage conditions.

 10.3 Possibility of hazardous reactions:
  Reacts with strong oxidising agents.

 10.4 Conditions to avoid:
  No further relevant information available.

 10.5 Incompatible materials:
  No further relevant information available.

 10.6 Hazardous decomposition products:
  Carbon monoxide and carbon dioxide
  Nitrogen oxides (NOx)

SECTION 11: Toxicological information

 11.1 Information on toxicological effects:
  Acute toxicity:
  Based on available data, the classification criteria are not met.

  LD/LC50 values relevant for classification:
  > 2000 - < 5000 mg / kg (oral, rat)
  > 5,100 mg/m³ 4h (inhalation, rat)

  Primary irritant effect:
  Skin corrosion/irritation:
  Based on available data, the classification criteria are not met.

  Serious eye damage/irritation:
  Based on available data, the classification criteria are not met.

  Respiratory or skin sensitisation:
  Based on available data, the classification criteria are not met.

  Germ cell mutagenicity:
  Based on available data, the classification criteria are not met.

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

  STOT-repeated exposure:
  Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

 12.1 Toxicity:
  Aquatic toxicity:
  No further relevant information available.

 12.2 Persistence and degradability:
  No further relevant information available.

 12.3 Bioaccumulative potential:
  No further relevant information available.

 12.4 Mobility in soil:
  No further relevant information available.

(Contd. on page 5)
44.3.5 · Additional ecological information:
· General notes: Do not allow product to reach ground water, water course or sewage system.
· 12.5 Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.
· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations
· 13.1 Waste treatment methods
· Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
· European waste catalogue
13 02 06* synthetic engine, gear and lubricating oils
· Uncleaned packaging:
· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information
· 14.1 UN-Number
· ADR, ADN, IMDG, IATA Not regulated
· 14.2 UN proper shipping name
· ADR Not regulated
· ADN, IMDG, IATA Not regulated
· 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA Not regulated
· Class Not regulated
· 14.4 Packing group
· ADR, IMDG, IATA Not regulated
· 14.5 Environmental hazards:
· Marine pollutant: No
· 14.6 Special precautions for user Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.
· Transport/Additional information: Not dangerous according to the above specifications.
· IATA IATA Dangerous Goods Regulation (DGR): latest edition
· UN "Model Regulation": Not regulated

SECTION 15: Regulatory information
· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
· Directive 2012/18/EU
· Named dangerous substances - ANNEX I None of the ingredients is listed.
· National regulations:
· CPID-no. (CH): 569228-02

(Contd. of page 4)
· Other regulations, limitations and prohibitive regulations
· Substances of very high concern (SVHC) according to REACH, Article 57
  This preparation does not contain any SVHC ("Substances of Very High Concern")

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Regulations / approvals / listings:
  All components are listed by US FDA. 21 CFR 178.3570
  NSF- H1 registered. Registration no. 123550
  Does not contain any vegetable and animal components and any genetically modified organisms (OGM).

  Information on REACH registration numbers in section 3:
  In case of lack of REACH registration numbers on mentioned hazardous substances at the end of 2010, then these numbers will be known and indicated only in section 3 within its tonnage band for registration, after the end of 2013, respectively by the end of 2018, or are exempt from the REACH regulation (e.g. polymers).

· MOSH/OA:
  The product contains no hydrocarbons based on mineral oil, saturated hydrocarbons or mineral oil-containing aromatic hydrocarbons.
  The base oil is synthetic matter.

· RoHS:
  The following substances ARE NOT contained:
  Pentabromodiphenylether, Octabromodiphenylether, polybrominated diphenylether (PDBE) and / or polybrominated biphenyls (PBB), Bis(2-ethylhexyl)phthalate (DEHP), Benzy1butylphthalate (BBP), Dibutylphthalate (DBP), Diisobutylphthalate (DIBP);
  lead or it's compounds, cadmium or it's compounds, mercury or it's compounds, chromium Cr⁶+-compounds.

· TSE/BSE:
  This product adheres to the standards of TSE/BSE-free products, according to European Community directives 93/42/ EEC and 2003/32/EC.
  Materials and/or synthetically modified materials which are of animal origin from bovine, ovine, goats, cats, dogs, deer, elk and/or mink, are NOT included in this product.
  This product is entirely free from latex containing materials.

· Department issuing SDS: Product Stewardship
· Contact: Dr. Mosimann + Mr. Frei

· Editor’s notice:
  The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

· Abbreviations and acronyms:
  ICAO: International Civil Aviation Organisation
  RoHS: Restriction of Hazardous Substances
  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
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  VOC: Volatile Organic Compounds (USA, EU)
  ISO: International Organisation for Standardisation
  DNEL: Derived No-Effect Level (REACH)
Trade name: Foodoil SG 220

PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
ATE: Acute Toxicity Estimate

* Data compared to the previous version altered.
The asterisk (*) on the left side indicate the respective changes from the previous version.