



SHIELDTM
LUBRICANTS

SAFETY DATA SHEET

SHIELD LUBRICANTS CHF FULLY SYNTHETIC

Revision: 15 Dec 2020

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

1.1 Product identifier

- Product Name: SHIELD LUBRICANTS CHF FULLY SYNTHETIC
- Product Part Number: SCCHF

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

- Identified uses: Hydraulic Fluid
- Use advised against: For specific application information consult Technical Data Sheet

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Shield Chemicals Ltd
- Address of Supplier: Moat Farm
Moat Street
Gestingthorpe
Halstead
Essex
CO9 3AT
- Telephone: +44 (0)1787460558 Office hours only.



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- Email: sales@shieldchemicals.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0)1787460558
Mon-Thurs 08:00 - 17:00
Fri 08:00 - 16:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Asp. Tox. 1.

SECTION 2: Hazards identification (...)

2.2 Label elements



- **Signal Word:** Danger.
- **Hazard statements:**
May be fatal if swallowed and enters airways.
- **Precautionary statements:**



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IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.
Dispose of contents and/or container in accordance with local/ national regulations.
Store locked up.

2.3 Other hazards

SECTION 3: Composition/information on ingredients

3.2 Mixtures

- **Mixture of lubricating base oils**

CAS Number: Various see Section 16

EC Number: Not available.

REACH Registration Number: Not available.

Concentration: <60%

H Statements: H304

Symbols:

Categories: Asp. Tox 1

SECTION 4: First aid measures

4.1 Description of first aid measures

- **Inhalation**

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

- **Contact with eyes**

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 (if easy to do so). Get medical attention.

- **Contact with skin**

Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

- **Ingestion**

DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately!



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4.2 Most important symptoms and effects, both acute and delayed

- See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment should be symptomatic and directed to relieving any effects. The exposed person may need to be kept under medical surveillance for 48 hours.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

- In a fire or if heated, a pressure increase will occur and the container may burst.
- Combustion products may include the following: carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide) and nitrogen oxides (NO, NO₂ etc.)

5.3 Advice for firefighters

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for firefighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. Cool containers exposed

SECTION 5: Firefighting measures (...)

to heat with water spray or fog and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Stop any leak if it is safe to do so.
Absorb with sand or other inert absorbent. Collect in containers and seal securely.
Adopt best manual handling considerations when handling, carrying and dispensing.
Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow.



6.2 Environmental precautions

- Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

6.3 Methods and material for containment and cleaning up

- Stop any leak if it is safe to do so.

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

Dispose of in compliance with all local and national regulations.

6.4 Reference to other sections

- See Section 1 for emergency contact information.
See Section 5 for firefighting measures.
See Section 8 for information on appropriate personal protective equipment.
See Section 12 for environmental precautions.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use appropriate personal protective equipment.
- 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. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

- Store in accordance with local regulations.

SECTION 7: Handling and storage (...)

- Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
- Store locked up.

7.3 Specific end use(s)

- The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Substances

Chemical Name	WEL (short term)	WEL (long term)
Mixture of lubricating base oils	-	5mg/m ³

- If this product contains ingredients with exposure limits, personal and/or workplace atmosphere monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

8.2 Exposure controls



- Engineering Controls:

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled.

- Personal protection:

Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. If contact is likely, safety glasses are recommended. No special requirements under ordinary conditions of use and with adequate ventilation.

- Hand protection:

As specific work environments and material handling practices vary, safety procedures should be developed for each intended application. The correct choice of protective gloves depends upon the chemicals being handled and the conditions of work and use. Recommended: Butyl or other suitable glove. Breakthrough time represents how long a glove can be expected to provide effective permeation resistance. Always consult with your glove supplier for up-to-date technical information on breakthrough.

- Hygiene measures:

SECTION 8: Exposure controls/personal protection (...)

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Respiratory protection:



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- No Special requirements under ordinary conditions of use and with adequate ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|-----------------------------|--------------------------|
| - Appearance: | Green Liquid |
| - Odour: | Characteristic. |
| - Density: | >0.842 at 15°C |
| - Viscosity (kinematic): | 18cSt at 40°C |
| - Viscosity (kinematic): | 6cSt at 100°C |
| - Freezing point/Range: | No data available. |
| - Boiling Point/Range: | No data available. |
| - Flashpoint: | >130°C |
| - Oxidising properties: | No information available |
| - Autoignition temperature: | No information available |

9.2 Other information

- The figures in this section are for guidance only please always use them in conjunction with the technical data sheet.

SECTION 10: Stability and reactivity

10.1 Reactivity

- No specific test data available for this product. Refer to, conditions to avoid and incompatible material sections for additional information.

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- None under normal processing.

10.4 Conditions to avoid

- Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

SECTION 10: Stability and reactivity (...)

- Reactive or incompatible with the following materials: oxidizing materials.



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10.6 Hazardous decomposition products

- Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- **Potential acute health effects.**
- **Inhalation**
May cause irritation to the respiratory tract.
- **Contact with eyes**
No known significant effects or critical hazards.
- **Contact with skin**
Defatting to the skin. May cause skin dryness and irritation.
- **Ingestion**
May cause nausea and diarrhoea.
- **Aspiration Hazard**
Fluid can enter the lungs and cause damage (chemical pneumonitis, possibly fatal).
- **Acute and chronic health hazards**
No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

- Not classified as dangerous.

12.2 Persistence and degradability

- Not readily biodegradable.

12.4 Bioaccumulative potential

- Bioaccumulative potential. No data available.

12.5 Mobility in soil

- Spillages may penetrate the soil causing ground water contamination.

12.6 Results of PBT and vPvB assessment

- Not applicable.

12.7 Other adverse effects

- Immiscible in water.



SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Dispose of in compliance with all local and national regulations.

13.2 Classification

- This material and its containers must be disposed of as controlled waste. Dispose of waste via a licensed waste disposal contractor.

SECTION 14: Transport information

14.1 UN number

- UN No.: Not regulated.

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable.

14.3 Transport hazard class(es)

- Hazard Class: Not applicable.

14.4 Packing group

- Packing Group: Not applicable.

14.5 Environmental hazards

- Environmental hazards: Not applicable.

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.
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SECTION 15: Regulatory information

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

- Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
- Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed.

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet: H304: May be fatal if swallowed and enters airways.

May contain one or more of the following: 101316-69-2 / RRN 01-2119486948-13, 101316-70-5, 101316-71-6, 101316-72-7 / RRN 01-2119489969-06, 64741-88-4 / RRN 01-2119488706-23, 64741-89-5 / RRN 01-2119487067-30, 64741-95-3 / RRN 01-2119487081-40, 64741-96-4 / RRN 01-2119483621-38, 64741-97-5 / RRN 01-2119480374-36, 64742-01-4 / RRN 01-2119488707-21, 64742-44-5 / RRN 01-2119985177-24, 64742-45-6, 64742-52-5 / RRN 01-2119467170-45, 64742-53-6 / RRN 01-2119480375-34, 64742-54-7 / RRN 01-2119484627-25, 64742-55-8 / RRN 01-2119487077-29, 64742-56-9 / RRN 01-2119480132-48, 64742-57-0 / RRN 01-2119489287-22, 64742-58-1, 64742-62-7 / RRN 01-2119480472-38, 64742-63-8, 64742-64-9, 64742-65-0 / RRN 01-2119471299-27, 64742-707 / RRN 01-2119487080-42, 72623-85-9 / RRN 01-211955262-43, 72623-86-0 / RRN 01-2119474878-16, 72623-87-1 / RRN 01-2119474889-13, 74869-22-0 / RRN 01-2119495601-36, 90669-74-2 / RRN 01-2119970171-43

Disclaimer

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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