# 1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
  - **Trade name:** Starrett Tool & Instrument Oil
  - **CAS Number:** 8042-47-5
  - **EC number:** 232-455-8
- **Application of the substance / the preparation** Lubricant
- **1.3 Details of the supplier of the Safety Data Sheet**
  - **Manufacturer/Supplier:** The L.S. Starrett Company
  - **Address:** 121 Crescent St.
  - **City:** Athol, MA 01331
  - **Phone:** (978) 249-3551
  - **Further information obtainable from:** Product Safety Department
- **1.4 Emergency telephone number:**
  - ChemTel Inc.
  - **Phone:** (800)255-3924, +1 (813)248-0585

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# 2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
  
  - **GHS08 health hazard**
  
  - Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
  
  - **Xn; Harmful**
  
  - R65: Harmful: may cause lung damage if swallowed.

  **Information concerning particular hazards for human and environment:** Not applicable.

- **2.2 Label elements**

  - **Labelling according to Regulation (EC) No 1272/2008**
  
  - The substance is classified and labelled according to the CLP regulation.

  - **Hazard pictograms**

  - **GHS08**

  - **Signal word** Danger

  - **Hazard-determining components of labelling:**

  - **White Mineral Oil**

  - **Hazard statements**

  - H304 May be fatal if swallowed and enters airways.

(Contd. on page 2)
Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard description:

WHMIS-symbols: Not hazardous under WHMIS.

NFPA ratings (scale 0 - 4)

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<tr>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
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2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

3.1 Substances

CAS No. Description
8042-47-5 White Mineral Oil

Identification number(s)
EC number: 232-455-8

4 First aid measures

4.1 Description of first aid measures

General information:
Do not leave affected persons unattended.
Position and transport stably in side position.

After inhalation:
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact:
Generally the product does not irritate the skin.
Immediately rinse with water.

After eye contact:
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Trade name: Starrett Tool & Instrument Oil

- After swallowing:
  Do not induce vomiting; call for medical help immediately.
  A person vomiting while laying on their back should be turned onto their side.
- 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
  If swallowed or in case of vomiting, danger of entering the lungs.

5 Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
  - 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: Do not inhale explosion gases or combustion gases.
  - Additional information
    Collect contaminated fire fighting water separately. It must not enter the sewage system.
    Cool endangered receptacles with water spray.

6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  Particular danger of slipping on leaked/spilled product.
- 6.2 Environmental precautions:
  Do not allow to enter sewers/ surface or ground water.
  Prevent from spreading (e.g. by damming-in or oil barriers).
- 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
- 6.4 Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- 7.1 Precautions for safe handling
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.
- 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: No special requirements.
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 that require monitoring at the workplace: Not required.
- Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
- Personal protective equipment:
  - General protective and hygienic measures:
    - Be sure to clean skin thoroughly after work and before breaks.
    - Keep away from foodstuffs, beverages and feed.
    - Wash hands before breaks and at the end of work.
  - Respiratory protection:
    - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - 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 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.
  - Penetration time of glove material
    - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - Eye protection: Goggles recommended during refilling

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties
- General Information
- Appearance:
  - Form: Fluid
  - Colour: Not determined.
  - Odour: Characteristic
  - Odour threshold: Not determined.
- pH-value: Not determined.
· **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.

· **Flash point**: 188°C

· **Flammability (solid, gaseous)**: Not applicable.

· **Ignition temperature**:
  - Decomposition temperature: Not determined.
  - Self-igniting: Not determined.
  - Danger of explosion: Product does not present an explosion hazard.

· **Explosion limits**:
  - Lower: Not determined.
  - Upper: Not determined.

· **Vapour pressure**: Not determined.

· **Density**:
  - Relative density: Not determined.
  - Vapour density: Not determined.
  - Evaporation rate: Not determined.

· **Solubility in / Miscibility with water**: Not miscible or difficult to mix.

· **Segregation coefficient (n-octanol/water)**: Not determined.

· **Viscosity**:
  - Dynamic: Not determined.
  - Kinematic: Not determined.

· **9.2 Other information**
  - No further relevant information available.

### 10 Stability and reactivity

· **10.1 Reactivity**
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided**: No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** Reacts with strong oxidizing 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
Safety Data Sheet
according to 1907/2006/EC (REACH),
1272/2008/EC (CLP), and GHS

Trade name: Starrett Tool & Instrument Oil

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11 Toxicological information

11.1 Information on toxicological effects
Acute toxicity:
Primary irritant effect:
• on the skin: No irritant effect.
• on the eye: No irritating effect.
Sensitization: No sensitizing effects known.

12 Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability
Moderately /partly biodegradable
12.3 Bioaccumulative potential
Due to the distribution coefficient n-octanol/water an accumulation in organisms is possible.
12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Other adverse effects No further relevant information available.

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.
Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

14 Transport information

14.1 UN-Number
DOT, ADR, ADN, IMDG, IATA: N/A

14.2 UN proper shipping name
DOT, ADR, ADN, IMDG, IATA: N/A

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14.3 Transport hazard class(es)
   - DOT, ADR, ADN, IMDG, IATA
   Class N/A

14.4 Packing group
   - DOT, ADR, IMDG, IATA
   Class N/A

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 MARPOL73/78 and the IBC Code
   - Not applicable.

UN "Model Regulation": -

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
   - United States (USA)
     · SARA
     - Section 355 (extremely hazardous substances):
       Substance is not listed.
     - Section 313 (Specific toxic chemical listings):
       Substance is not listed.
     - TSCA (Toxic Substances Control Act):
       Substance is listed.
     - Proposition 65 (California):
       - Chemicals known to cause cancer:
         Substance is not listed.
       - Chemicals known to cause reproductive toxicity for females:
         Substance is not listed.
       - Chemicals known to cause reproductive toxicity for males:
         Substance is not listed.
       - Chemicals known to cause developmental toxicity:
         Substance is not listed.
     - Carcinogenic Categories
       - EPA (Environmental Protection Agency)
         Substance is not listed.
       - TLV (Threshold Limit Value established by ACGIH)
         Substance is not listed.
### 15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

### 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.

**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)
- **GHS:** Globally Harmonized System of Classification and Labelling of Chemicals
- **ACGIH:** American Conference of Governmental Industrial Hygienists
- **EINECS:** European Inventory of Existing Commercial Chemical Substances
- **CAS:** Chemical Abstracts Service (division of the American Chemical Society)
- **NFPA:** National Fire Protection Association (USA)
- **HMIS:** Hazardous Materials Identification System (USA)
- **WHMIS:** Workplace Hazardous Materials Information System (Canada)