

# SAFETY DATA SHEET



Revision date 03/18/2024

Revision Number 2

## 1. Identification

### Product identifier

Product Name 3H Direct

### Other means of identification

Safety data sheet number 05230

Product Code(s) L0174-082, L0174-002, L0174-010, L0174-035, L0174-040W

UN number or ID number Not applicable.

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended use No information available

Restrictions on use No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Lubriplate Lubricants Company Headquarters  
129 Lockwood St.  
Newark, NJ 07105  
Midwest Office & Plant  
1500 Oakdale Ave.  
Toledo, OH 43605  
419-691-2491  
419-693-3806

### Emergency telephone number

Emergency Telephone Chem-Tel 1-800-255 3924 (US & Canada only)  
01-813-248-0585 (Outside US & Canada)

## 2. Hazard(s) identification

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Hazards not otherwise classified (HNOC)

Not applicable

**Label elements****Hazard statements**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Appearance** solid

**Physical state** Solid

**Odor** Mild

**Other information**

May be harmful if swallowed.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

| Chemical name                         | CAS No.     | Weight-%  | Trade secret |
|---------------------------------------|-------------|-----------|--------------|
| Synthetic amorphous, pyrogenic silica | 112945-52-5 | 3 - <7%   | *            |
| Precipitated calcium carbonate        | 471-34-1    | 1 - <5%   | *            |
| Benzoic acid                          | 65-85-0     | 0.1 - <1% | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First-aid measures****Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Remove to fresh air.   |
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin contact</b> | Wash skin with soap and water.   |
| <b>Ingestion</b>    | Rinse mouth.   |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures**

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Large Fire</b>   | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Unsuitable extinguishing media</b>                                 | Do not scatter spilled material with high pressure water streams.  |
| <b>Specific hazards arising from the chemical</b>                     | No information available.  |
| <b>Explosion data</b>   |  |
| <b>Sensitivity to mechanical impact</b>                               | None.  |
| <b>Sensitivity to static discharge</b>                                | None.  |
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Limits

| Chemical name  | ACGIH TLV | OSHA PEL   | NIOSH  |
|--|-----------|--|--|
| Synthetic amorphous, pyrogenic silica<br>112945-52-5 | -         | (vacated) TWA: 6 mg/m <sup>3</sup><br><1% Crystalline silica<br>TWA: 20 mppcf<br>: (80)/(/% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA | IDLH: 3000 mg/m <sup>3</sup><br>TWA: 6 mg/m <sup>3</sup>                         |
| Precipitated calcium carbonate<br>471-34-1           | -         | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction   | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust |

|                         |   |  |   |
|-------------------------|---|--|---|
|                         |   | (vacated) TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction |   |
| Benzoic acid<br>65-85-0 | TWA: 0.5 mg/m <sup>3</sup> inhalable fraction and vapor<br>S* | -  | - |

**Appropriate engineering controls**

**Engineering controls**                      Showers  
    Eyewash stations  
    Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      No special protective equipment required.

**Skin and body protection**                No special protective equipment required.

**Respiratory protection**                  No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**        Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

**Physical state**                                Solid  
**Appearance**                                solid  
**Color**    Various colours  
**Odor**    Mild  
**Odor threshold**                              No information available

| <u>Property</u>                                | <u>Values</u>       | <u>Remarks • Method</u>    |
|--|---------------------|----------------------------|
| <b>pH</b>                                      | No data available   | None known                 |
| <b>Melting point / freezing point</b>          | No data available   | None known                 |
| <b>Initial boiling point and boiling range</b> | > 288 °C / 550.4 °F | >288°C (>550.4°F)          |
| <b>Flash point</b>                             | > 100 °C / 212.0 °F | None known                 |
| <b>Evaporation rate</b>                        | No data available   | < 0.01 (butyl acetate = 1) |
| <b>Flammability</b>                            | No data available   | None known                 |
| <b>Flammability Limit in Air</b>               |                     | None known                 |
| <b>Upper flammability or explosive limits</b>  | No data available   |                            |
| <b>Lower flammability or explosive limits</b>  | No data available   |                            |
| <b>Vapor pressure</b>                          | <0.0013 kPa @ 25°C  | None known                 |
| <b>Relative vapor density</b>                  | > 5                 | None known                 |
| <b>Relative density</b>                        | 0.95                | None known                 |
| <b>Water solubility</b>                        | No data available   | Insoluble in water         |
| <b>Solubility(ies)</b>                         | No data available   | None known                 |
| <b>Partition coefficient</b>                   | No data available   | None known                 |
| <b>Autoignition temperature</b>                | No data available   | None known                 |
| <b>Decomposition temperature</b>               |                     | None known                 |
| <b>Kinematic viscosity</b>                     | No data available   | None known                 |
| <b>Dynamic viscosity</b>                       | No data available   | None known                 |

**Other information**

|                             |                          |
|-----------------------------|--------------------------|
| <b>Explosive properties</b> | No information available |
| <b>Oxidizing properties</b> | No information available |
| <b>Softening point</b>      | No information available |
| <b>Molecular weight</b>     | No information available |
| <b>VOC content</b>          | No information available |
| <b>Liquid Density</b>       | No information available |
| <b>Bulk density</b>         | No information available |

**10. Stability and reactivity**

|   |   |
|---|---|
| <b>Reactivity</b>                         | No information available.                 |
| <b>Chemical stability</b>                 | Stable under normal conditions.           |
| <b>Possibility of hazardous reactions</b> | None under normal processing.             |
| <b>Conditions to avoid</b>                | None known based on information supplied. |
| <b>Incompatible materials</b>             | None known based on information supplied. |
| <b>Hazardous decomposition products</b>   | None known based on information supplied. |

**11. Toxicological information****Information on likely routes of exposure**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. |

**Symptoms related to the physical, chemical and toxicological characteristics**

|                 |                           |
|-----------------|---------------------------|
| <b>Symptoms</b> | No information available. |
|-----------------|---------------------------|

**Acute toxicity****Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

|                                      |                 |
|--------------------------------------|-----------------|
| <b>ATEmix (oral)</b>                 | 4,950.40 mg/kg  |
| <b>ATEmix (dermal)</b>               | 99,999.00 mg/kg |
| <b>ATEmix (inhalation-gas)</b>       | 99,999.00 ppm   |
| <b>ATEmix (inhalation-dust/mist)</b> | 99,999.00 mg/l  |
| <b>ATEmix (inhalation-vapor)</b>     | 99,999.00 mg/l  |

**Component Information**

| Chemical name  | Oral LD50            | Dermal LD50          | Inhalation LC50      |
|--|----------------------|----------------------|----------------------|
| Synthetic amorphous, pyrogenic silica<br>112945-52-5 | = 3160 mg/kg ( Rat ) | -                    | -                    |
| Precipitated calcium carbonate<br>471-34-1           | = 6450 mg/kg ( Rat ) | > 2000 mg/kg ( Rat ) | > 3 mg/L ( Rat ) 4 h |

|                         |                      |                          |                         |
|-------------------------|----------------------|--------------------------|-------------------------|
| Benzoic acid<br>65-85-0 | = 1700 mg/kg ( Rat ) | > 10000 mg/kg ( Rabbit ) | > 12.2 mg/L ( Rat ) 4 h |
|-------------------------|----------------------|--------------------------|-------------------------|

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name   | ACGIH | IARC    | NTP | OSHA |
|---|-------|---------|-----|------|
| Synthetic amorphous,<br>pyrogenic silica<br>112945-52-5 | -     | Group 3 | -   | -    |

**Legend**

**IARC (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target organ effects** Respiratory system, Eyes, Skin.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

**Interactive effects** No information available.

**12. Ecological information****Ecotoxicity**

| Chemical name   | Algae/aquatic plants  | Fish  | Toxicity to microorganisms | Crustacea                                    |
|---|---|---|----------------------------|--|
| Synthetic amorphous,<br>pyrogenic silica<br>112945-52-5 | EC50: =440mg/L (72h,<br>Pseudokirchneriella<br>subcapitata) | LC50: =5000mg/L (96h,<br>Brachydanio rerio)   | -                          | EC50: =7600mg/L (48h,<br>Ceriodaphnia dubia) |
| Benzoic acid<br>65-85-0                                 | -   | LC50: =44.6mg/L (96h,<br>Lepomis macrochirus) | -                          | EC50: =860mg/L (48h,<br>Daphnia magna)       |

**Persistence and degradability** No information available.

**Bioaccumulation****Component Information**

| Chemical name           | Partition coefficient |
|-------------------------|-----------------------|
| Benzoic acid<br>65-85-0 | 1.88                  |

**Other adverse effects** No information available.

**13. Disposal considerations****Disposal methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**14. Transport information**

**Note:** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**DOT**  
**UN number or ID number** Not regulated  
**Proper shipping name** Not applicable  
**Packing group** Not applicable

**IATA** Not regulated

**IMDG**  
**Marine pollutant** Not regulated  
 No

**15. Regulatory information****International Inventories**

**TSCA** Complies.

**DSL/NDSL** Complies.  
**EINECS/ELINCS** Complies.  
**ENCS** Complies.  
**IECSC** Complies.  
**KECI** Complies.  
**PICCS** Complies.  
**AIIC** Complies.  
**NZIoC** Complies.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals  
**NZIoC** - New Zealand Inventory of Chemicals

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

| Chemical name           | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Benzoic acid<br>65-85-0 | 5000 lb                     | -                      | -                         | X                          |

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical name           | Hazardous Substances RQs | Extremely Hazardous Substances RQs | Reportable Quantity (RQ)                   |
|-------------------------|--------------------------|------------------------------------|--|
| Benzoic acid<br>65-85-0 | 5000 lb                  | -                                  | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

### US State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

| Chemical name  | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| Synthetic amorphous, pyrogenic silica<br>112945-52-5 | -          | X             | X            |
| Precipitated calcium carbonate<br>471-34-1           | X          | X             | X            |
| Benzoic acid<br>65-85-0                              | X          | X             | X            |

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable



## 16. Other information

|             |                         |                       |                           |                              |
|-------------|-------------------------|-----------------------|---------------------------|------------------------------|
| <b>NFPA</b> | <b>Health hazards</b> 0 | <b>Flammability</b> 1 | <b>Instability</b> 0      | <b>Special hazards</b> -     |
| <b>HMIS</b> | <b>Health hazards</b> 1 | <b>Flammability</b> 1 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X |

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Legend Section 8: Exposure controls/personal protection**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | Sk*  | Skin designation                 |

### **Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

**Revision date** 03/18/2024

**Revision Note** No information available.

### **Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.**

**End of Safety Data Sheet**