

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/15/2020

Version 1


Reviewed on 06/15/2020




1 Identification

- **Product identifier**
- **Product name:** **SintoGrind HSS-X 1400**
- **Product code:** P101485
- **Relevant identified uses of the substance or mixture and uses advised against** —
- **Application of the substance / the mixture** Industrial use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** oelheld U.S., Inc.
1100 Wesemann Drive
West Dundee, Illinois (US) - 60118

Phone: +1-847-531-8501 Email: hutec-us@oelheld.com
FAX: +1-847-531-8511 www.oelheld.com
- **Information department:** Phone: +1-847-531-8501
- **Emergency telephone number:** In the event of a medical or chemical emergency contact ChemTel Inc.™
North America 1-800-255-3924 or Worldwide Intl. +1-813-248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**
-  GHS08 Health hazard
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** 
GHS08
- **Signal word** Danger
- **Hazard-determining components of labeling:** C18-C50 branched, cyclic and linear hydrocarbons - Distillates
H304 May be fatal if swallowed and enters airways.
- **Hazard statements** P301+P310 If swallowed: Immediately call a poison center/doctor.
- **Precautionary statements** P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**  Health = 0
Fire = 1
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**  HEALTH 0 Health = 0
FIRE 1 Fire = 1
REACTIVITY 0 Reactivity = 0
- **Other hazards** The NFPA- and the HMIS-ratings range from 0 (least severe hazard) to 4 (most severe hazard).
NFPA and HMIS are regulations in the USA.
NFPA: National Fire Protection Association
HMIS: Hazardous Material Identification System
Personal protective equipment (PPE) Codes: We recommend the following personal protection:
HMIS Letter B - Required Equipment: Safety glasses, gloves

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
 - **Description:** Mixture of the substances listed below with nonhazardous additions.
 - **Dangerous components:**
- | | | | |
|-------------|--|-------------------|---------|
| 848301-69-9 | Distillates hydrocarbons_C18-C50 branched, cyclic and linear | Asp. Tox. 1, H304 | 25-50% |
| 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic | Asp. Tox. 1, H304 | 2.5-10% |

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· **Additional information:**

For the wording of the listed hazard phrases refer to section 16.

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4 First-aid measures

· **Description of first aid measures**

· **General information:**

Remove any clothing soiled by the product.
In case of occurring of symptoms or in doubt consult a doctor.
If a doctor is consulted show this material safety data sheet.

· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with water and soap and rinse thoroughly.
Generally the product does not irritate the skin.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After ingestion:**

Do not induce vomiting; immediately call for medical help.

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

No further relevant information available.

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

No further relevant information available.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing media:**

CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

· **For safety reasons unsuitable extinguishing media:**

Water with full jet

· **Special hazards arising from the substance or mixture**

In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Carbon monoxide (CO)

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

· **Additional information**

Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.

· **Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.
Keep contaminated washing water and dispose of appropriately.

· **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 section 13.

Remove from the water surface (e.g. skim or suck off).

· **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.

· **Protective Action Criteria for Chemicals**

· **PAC-1:**

None of the ingredients is listed.

· **PAC-2:**

None of the ingredients is listed.

· **PAC-3:**

None of the ingredients is listed.

7 Handling and storage

· **Handling:**

· **Precautions for safe handling**

Ensure good ventilation/exhaust at the workplace.
Open and handle receptacle with care.
Design capsulation of the machine with openings for the relieving of pressure.

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- **Information about protection against explosions and fires:**
 - Fumes can combine with air to form an explosive mixture above the flash point.
 - On formation of mist, design capsulation of the machine with openings for the relieving of pressure and a fire-fighting appliance because mist may form explosive/flammable vapour-air mixture.
 - When residues of the product are removed in a purification plant:
Possible release of flammable substances by distillation in systems with solvent recovery.
Risk of accumulation in the solvent circuit.
- **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:** Not required.
- **Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat, direct sunlight and UV-rays.
 - Storage stability under the described conditions at least 24 months.
- **Specific end use(s)**
 - No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** TLV (oil mist): TWA: 5 mg/m³ STEL: 10 mg/m³ (ACGIH)

848301-69-9 Distillates hydrocarbons_C18-C50 branched, cyclic and linear

OSHA_TRANS (USA)	Long-term value: 5 mg/m ³ Mist
TLV (ACGIH) (USA)	Long-term value: 5 mg/m ³ Oil mist, mineral (TWA, inhalable fraction)
TWA (E) [ACGIH] (USA)	Long-term value: 5 mg/m ³

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

ACGIH (USA)	Short-term value: STEL: 10 mg/m ³ Long-term value: TWA: 5 mg/m ³ as Oil Mist, if generated
OSHA (USA)	Long-term value: TWA: 5 mg/m ³ as Oil Mist, if generated

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - The usual precautionary measures for handling chemicals should be followed.
 - Wash hands before breaks and at the end of work.
- **Breathing equipment:**
 - Not necessary if room is well-ventilated.
 - Use suitable respiratory protective device in case of insufficient ventilation or in cases where overexposures may occur.
- **Protection of hands:**
- **Material of gloves**
 - Protective gloves or protective skin cream
 - Nitrile rubber, NBR
- **Penetration time of glove material**
 - At a glove thickness of about 0,4 mm the value of the permeation breakthrough in accordance with EN 374 is for chemically similar products according to the manufacturer: >480 min. (Degradation EN 374 rating class 6)
 - These statements are based on laboratory test methods which could not simulate working conditions exactly. The responsibility rests with the end user for choosing the right gloves for his application.
- **Eye protection:**
 - Goggles recommended during refilling.
- **Body protection:**
 - Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form: Fluid
 - Color: Yellowish
- **Odor:**
 - Characteristic

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- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**
- Melting point/Melting range:** Undetermined.
- Boiling point/Boiling range:** >280 °C (>536 °F)
- **Flash point:** >180 °C (>356 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** >320 °C (>608 °F)
- **Decomposition temperature:** Not determined.
- **Danger of explosion:** Product is not explosive. However formation of explosive air/vapour mixtures above the flash point or in case of strong misting is possible.
- **Explosion limits:**
- Lower:** 1 Vol %
- Upper:** 10 Vol %
- **Vapor pressure:** Not determined.
- **Density at 15 °C (59 °F):** 0.811 g/cm³ (6.768 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
- Dynamic:** Not determined.
- Kinematic at 40 °C (104 °F):** 14.1 mm²/s
- **Solvent content:**
- VOC (EC)** None
- VOC (California)** None
- **Oxidising properties:** Not determined.
- **Other information** No further relevant information available.
- **Additional information** The data of the explosion limits are based on the base oil.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No hazardous reactions when applying the recommended regulations.
- **Conditions to avoid** See above
- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:** No decomposition if used and stored according to specifications.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**
- ATE mix:
- Oral: Acute toxicity estimate: > 2,000 mg/kg
- Dermal: Acute toxicity estimate: > 2,000 mg/kg
- Inhalation: Acute toxicity estimate: for gases > 20,000 ppmV; for vapours > 20 mg/l; for dust/mist > 5 mg/l

848301-69-9 Distillates hydrocarbons_C18-C50 branched, cyclic and linear

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.

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Product name: **SintoGrind HSS-X 1400**

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· **Additional toxicological information:**

· **Carcinogenic categories**

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

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

See also Section 15.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **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**

May be fatal if swallowed and enters airways.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

848301-69-9 Distillates hydrocarbons_C18-C50 branched, cyclic and linear

LC/EC/IC 50 >100 mg/l (Microorganisms)

LL/EL/IL50 >100 mg/l (Algae)

>100 mg/l (Crustacea)

>100 mg/l (fish)

· **Chronic ecotoxicity:**

848301-69-9 Distillates hydrocarbons_C18-C50 branched, cyclic and linear

NOEC >100 mg/l (fish)

· **Persistence and degradability**

No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential**

No further relevant information available.

· **Mobility in soil**

No further relevant information available.

· **Ecotoxicological effects:**

· **Behavior in sewage processing plants:**

The product can be mechanically separated.

· **Other adverse effects**

No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Delivery of waste oil to officially authorized collectors only.

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· **DOT, ADR, IMDG, IATA**

Void

· **UN proper shipping name**

· **DOT, ADR, IMDG, IATA**

Void

· **Transport hazard class(es)**

· **DOT, IMDG, IATA**

· **Class**

Void

· **ADR**

· **Class**

Void

· **Label**

Void

· **Packing group**

· **DOT, ADR, IMDG, IATA**

Void

· **Environmental hazards:**

Not applicable.

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- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **Transport/Additional information:** Not dangerous according to the above specifications.
- **ADR**
- **Excepted quantities (EQ):** Void
- **Limited quantities (LQ)** Void
- **Transport category** Void
- **Tunnel restriction code** Void
- **IMDG**
- **Limited quantities (LQ)** Void
- **Excepted quantities (EQ)** Void
- **IATA**
- **Remarks:** Void.
- **UN "Model Regulation":** Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

See section 8 for information.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **National regulations:**

· **Information about limitation of use:** Employment restrictions concerning young persons must be observed.

· **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.

· **Relevant phrases** H304 May be fatal if swallowed and enters airways.

· **Department issuing SDS:** Phone: +1-847-531-8501

· **Date of preparation / last revision** 06/15/2020 / -

· **Abbreviations and acronyms:**
 EC: European Community
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 ACGIH: American Conference of Governmental Industrial Hygienists
 OEL: Occupational Exposure Limit
 PNOS: Particles Not Otherwise Specified
 STEL: Short Time Exposure Limit
 TLV: Threshold Limit Value

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TWA: Time Weighted Average concentration
WEEL: Workplace Environmental Exposure Level
TLV: Threshold limit value
TWA: Time Weighted Average concentration
STEL: Short Time Exposure Limit
IOELV: Indicative Occupational Exposure Limit Value
OSHA: Occupational Safety & Health Administration of the U.S. Department of Labor
ACGIH: American Conference of Governmental Industrial Hygienists
EC50: ecotoxic concentration, 50 percent
NOEC: no observed effect concentrations
NOELR: No observed effect loading rate
ATE: acute toxicity estimate
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
VOC: Volatile Organic Compounds (USA, EC)
ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
Asp. Tox. 1: Aspiration hazard – Category 1

US-