

# Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 08/10/2016

Reviewed on 08/10/2016

## 1 Identification

- **Product Identifier**
- **Trade name: NuKoat S07**
- **Product Number: ng-NKS07**
- **Relevant identified uses of the substance or mixture and uses advised against:**  
Use as directed by manufacturer.
- **Product Description PC25 Metal working fluids**
- **Application of the substance / the mixture: Industry-specific application.**
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
NuGeneration Technologies, LLC (dba NuGenTec)  
1155 Park Avenue, Emeryville, CA 94608  
salesteam@nugentec.com www.nugentec.com  
1-888-996-8436 or 1-707-820-4080 for product information
- **Emergency telephone number:**  
PERS Emergency Response: Domestic and Canada - 1-800-633-8253, International 1-801-629-0667

## 2 Hazard(s) Identification

- **Classification of the substance or mixture:**



GHS08 Health hazard

Carc. 1B H350 May cause cancer.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **Label elements:**
- **GHS label elements**  
The substance is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS07 GHS08

- **Signal word: Danger**
- **Hazard-determining components of labeling:**  
Proprietary Oil
- **Hazard statements:**  
H315 Causes skin irritation.  
H350 May cause cancer.
- **Precautionary statements:**  
P280 Wear protective gloves.  
P264 Wash thoroughly after handling.  
P201 Obtain special instructions before use.

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- P202 Do not handle until all safety precautions have been read and understood.  
 P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Unknown acute toxicity:**  
97.5 % of the mixture consists of component(s) of unknown toxicity.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Hazard(s) not otherwise classified (HNOC):** None known

### 3 Composition/Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of the following components.

- **Dangerous Components:**

Proprietary Oil	☠ Carc. 1B, H350	97.5%
Proprietary Solvent	⚠ Acute Tox. 4, H302	1.5%

- **Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

### 4 First-Aid Measures

- **Description of first aid measures:**
- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation occurs, consult a doctor.
- **After eye contact:**  
Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

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**Trade name: NuKoat SO7****· After swallowing:***Rinse out mouth and then drink plenty of water.**Do not induce vomiting without medical advice.**If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs (aspiration).**Once the vomiting ceases, place the person in the recovery position with the legs slightly raised.**If vomiting does occur, repeat fluid administration**If swallowed and symptoms occur, consult a doctor.***· Information for doctor:****· 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 agents:** *Use fire fighting measures that suit the environment.***· For safety reasons unsuitable extinguishing agents:** *Water with full jet***· Special hazards arising from the substance or mixture:** *No further relevant information available.***· Advice for firefighters:****· Protective equipment:***As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.***6 Accidental Release Measures****· Personal precautions, protective equipment and emergency procedures:***Wear protective equipment. Keep unprotected persons away.**Ensure adequate ventilation.**Particular danger of slipping on leaked/spilled product.**Avoid contact with skin, eyes and clothing.***· Environmental precautions:***Do not allow to enter sewers/surface or ground water.**Inform respective authorities in case of seepage into water course or sewage system.***· Methods and material for containment and cleaning up:***Absorb with liquid-binding material (ie. sand, diatomite, universal binders), do NOT use sawdust.**Dispose contaminated material as waste according to section 13.**Ensure adequate ventilation.**Dispose of the collected material according to regulations.***· 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.*

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### 7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**  
 Ensure good ventilation/exhaustion at the workplace.  
 Open and handle receptacle with care.  
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
 Keep protective respiratory device available.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **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:**  
 All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

- **Components with occupational exposure limits:**

<b>Proprietary Oil</b>	
TWA	Short-term value: 1 mg/m <sup>3</sup> Long-term value: 3 mg/m <sup>3</sup>
<b>Proprietary Solvent</b>	
WEEL	Long-term value: 10 mg/m <sup>3</sup>

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 The usual precautionary measures for handling chemicals should be followed.  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing and wash before reuse.  
 Wash hands before breaks and at the end of work.  
 Store protective clothing separately.  
 Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

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*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.*

*Select glove material based on penetration times, rates of diffusion and 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. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.*

· **Penetration time of glove material:**

*The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.*

· **Eye protection:**



*Tightly sealed goggles*

· **Body protection:**



*Protective work clothing*

### 9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

<b>Form:</b>	Liquid
<b>Color:</b>	Light brown
<b>Odor:</b>	Mineral-oil-like
<b>Odor threshold:</b>	Not determined.

· **pH-value @ 20 °C (68 °F):** 8.5

· **Change in condition**

<b>Melting point/Melting range:</b>	Not determined.
<b>Boiling point/Boiling range:</b>	Not determined.

· **Flash point:** 166 °C (331 °F)

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

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

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<ul style="list-style-type: none"> <li>· <b>Explosion limits:</b></li> <li style="padding-left: 20px;"><b>Lower:</b> Not determined.</li> <li style="padding-left: 20px;"><b>Upper:</b> Not determined.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Vapor pressure:</b> Not determined.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Density @ 20 °C (68 °F):</b> 0.91 g/cm<sup>3</sup> (7.594 lbs/gal)</li> <li>· <b>Relative density:</b> Not determined.</li> <li>· <b>Vapor density:</b> Not determined.</li> <li>· <b>Evaporation rate:</b> Not determined.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Solubility in / Miscibility with:</b></li> <li style="padding-left: 20px;"><b>Water:</b> Not miscible or difficult to mix.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Partition coefficient (n-octanol/water):</b> Not determined.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Viscosity:</b></li> <li style="padding-left: 20px;"><b>Dynamic @ 20 °C (68 °F):</b> 40 mPas</li> <li style="padding-left: 20px;"><b>Kinematic @ 40 °C (104 °F):</b> 25 mm<sup>2</sup>/s</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Solvent content:</b></li> <li style="padding-left: 20px;"><b>Organic solvents:</b> 2.3 %</li> <li style="padding-left: 20px;"><b>VOC content:</b> 2.3 %</li> <li>· <b>Other information:</b> No further relevant information available.</li> </ul>

### 10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects:**
  - **Acute toxicity:**
- |   |      |                      |
|---|------|----------------------|
| <b>LD/LC50 values that are relevant for classification:</b> |      |                      |
| <b>Proprietary Solvent</b>                                  |      |                      |
| Oral  | LD50 | 12565 mg/kg (rat)    |
| Dermal  | LD50 | 11890 mg/kg (rabbit) |
- **Primary irritant effect:**
  - **On the skin:** Irritant to skin and mucous membranes.
  - **On the eye:** No irritating effect.

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· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant  
Carcinogenic

· **Carcinogenic categories:**

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

Group 1 - Carcinogenic to humans  
Group 2A - Probably carcinogenic to humans  
Group 2B - Possibly carcinogenic to humans  
Group 3 - Not classifiable as to its carcinogenicity to humans  
Group 4 - Probably not carcinogenic to humans

Proprietary Solvent	3
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· **NTP (National Toxicology Program):**

None of the ingredients are listed.

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

None of the ingredients are listed.

### 12 Ecological Information

- **Toxicity:** The hazards for the aquatic environment are unknown.
- **Aquatic toxicity:** No further relevant information available.
- **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.
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

### 13 Disposal Considerations

- **Waste treatment methods:**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packagings**
- **Recommendation:**  
Disposal must be made according to official regulations.

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*Dispose of as unused product.*

### 14 Transport Information

<b>· UN-Number:</b>	
<b>· DOT, ADR, ADN, IMDG, IATA</b>	<i>Non-Regulated Material</i>
<b>· UN proper shipping name:</b>	
<b>· DOT, ADN, IMDG, IATA</b>	<i>Non-Regulated Material</i>
<b>· Transport hazard class(es):</b>	
<b>· DOT, ADR, ADN, IMDG, IATA</b>	
<b>· Class:</b>	<i>Non-Regulated Material</i>
<b>· Packing group:</b>	
<b>· DOT, ADR, IMDG, IATA</b>	<i>Non-Regulated Material</i>
<b>· Environmental hazards:</b>	<i>Not applicable.</i>
<b>· Special precautions for user:</b>	<i>Not applicable.</i>
<b>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	<i>Not applicable.</i>
<b>· UN "Model Regulation":</b>	<i>Non-Regulated Material</i>

### 15 Regulatory Information

<b>· Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>	
<b>· SARA (Superfund Amendments and Reauthorization):</b>	
<b>· Section 355 (extremely hazardous substances):</b>	<i>None of the ingredients are listed.</i>
<b>· Section 313 (Specific toxic chemical listings):</b>	<i>Proprietary Solvent</i>
<b>· TSCA (Toxic Substances Control Act):</b>	<i>All ingredients are listed or exempt from listing.</i>
<b>· California Proposition 65:</b>	
<b>· Chemicals known to cause cancer:</b>	<i>None of the ingredients are listed.</i>
<b>· Chemicals known to cause reproductive toxicity for females:</b>	<i>None of the ingredients are listed.</i>
<b>· Chemicals known to cause reproductive toxicity for males:</b>	<i>None of the ingredients are listed.</i>
<b>· Chemicals known to cause developmental toxicity:</b>	<i>None of the ingredients are listed.</i>

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• **New Jersey Right-to-Know List:**

Proprietary Solvent

Proprietary Solvent

• **New Jersey Special Hazardous Substance List:**

Proprietary Solvent

CA, F2

• **Pennsylvania Right-to-Know List:**

Proprietary Solvent

Proprietary Solvent

Proprietary Solvent

• **Pennsylvania Special Hazardous Substance List:**

None of the ingredients are listed.

• **Carcinogenic categories:**

• **EPA (Environmental Protection Agency):**

Proprietary Solvent

NL

• **TLV (Threshold Limit Value established by ACGIH):**

Proprietary Solvent

A3

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

None of the ingredients are listed.

• **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

• **Hazard pictograms:**



GHS07 GHS08

• **Signal word: Danger**

• **Hazard-determining components of labeling:**

Proprietary Oil

• **Hazard statements:**

H315 Causes skin irritation.

H350 May cause cancer.

• **Precautionary statements:**

P280 Wear protective gloves.

P264 Wash thoroughly after handling.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

P308+P313 IF exposed or concerned: Get medical advice/attention.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**• National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• **Date of preparation / last revision:** 08/10/2016 / -

**• Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Carc. 1B: Carcinogenicity – Category 1B

• **\* Data compared to the previous version altered.**

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