1. Identification

Product identifier
SoftC 2A

Recommended use of the chemical and restrictions on use
Use of the substance/mixture
test liquid for oil filters

Details of the supplier of the safety data sheet
Company name: Powder Technology Inc.
Street: 1300 Grey Fox Road
Place: USA-55112 Arden Hills, MN
Telephone: +1 952 894 -8737
e-mail: sales@powdertechnologyinc.com
Internet: http://www.powdertechnologyinc.com

Emergency phone number: +1 952 894 -8737

2. Hazard(s) identification

Classification of the chemical
29 CFR Part 1910.1200
Aspiration hazard: Asp. Tox. 1
Respiratory or skin sensitization: Skin Sens. 1

Label elements
29 CFR Part 1910.1200
Signal word: Danger

Pictograms:

Hazard statements
May be fatal if swallowed and enters airways
May cause an allergic skin reaction

Precautionary statements
Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
Do NOT induce vomiting.
If on skin: Wash with plenty of Water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of waste according to applicable legislation.

Hazards not otherwise classified
The formation of combustible vapours is possible at temperatures above: Flash point. Vapours can form explosive mixtures with air.

3. Composition/information on ingredients

Mixtures
Chemical characterization

Dispersion

Contains:
- Carbon Black 16 %
  CAS No. 1333-86-4
- Iron (III) oxide (hematite) 2 %
  CAS No. 1309-37-1

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-55-8</td>
<td>Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified</td>
<td>78 %</td>
</tr>
<tr>
<td>8050-09-7</td>
<td>rosin; colophony</td>
<td>4 %</td>
</tr>
</tbody>
</table>

4. First-aid measures

Description of first aid measures

General information
When in doubt or if symptoms are observed, get medical advice.

After inhalation
Provide fresh air. In case of irregular breathing or respiratory arrest provide artificial respiration. If experiencing respiratory symptoms: Call a doctor.

After contact with skin
Wash with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

After contact with eyes
Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion
Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps. Call a physician immediately.

Most important symptoms and effects, both acute and delayed
No information available.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media
Dry extinguishing powder. Foam. Water fog.

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media
High power water jet.

Specific hazards arising from the chemical
Combustible. The formation of combustible vapours is possible at temperatures above: Flash point. Vapours can form explosive mixtures with air. The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration. Reignition possible over considerable distance.
In case of fire: Gases/vapours, toxic

Special protective equipment and precautions for fire-fighters
Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information
Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep away from sources of ignition - No smoking. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Remove persons to safety.

Environmental precautions
Avoid release to the environment.

Methods and material for containment and cleaning up
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

7. Handling and storage

Precautions for safe handling
Advice on safe handling

Advice on protection against fire and explosion
Keep away from sources of ignition - No smoking. The formation of combustible vapours is possible at temperatures above: Flash point. Vapours can form explosive mixtures with air.

Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep container tightly closed. Keep locked up. Provide adequate ventilation as well as local exhaustion at critical locations.

Hints on joint storage
Do not store together with: Strong acid. Oxidising agent. Pyrophoric or self-heating substances.

Further information on storage conditions
Keep away from heat.

8. Exposure controls/personal protection

Control parameters
Exposure limits

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>1333-86-4</td>
<td>Carbon black (in presence of polycyclic aromatic hydrocarbons (PAHs)) (as PAHs)</td>
<td>-</td>
<td>0.1</td>
<td>TWA (8 h)</td>
<td>REL</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon black (inhalable fraction)</td>
<td>3</td>
<td></td>
<td>TWA (8 h)</td>
<td>ACGIH-2019</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
<td>-</td>
<td>3.5</td>
<td>TWA (8 h)</td>
<td>PEL</td>
</tr>
<tr>
<td>1309-37-1</td>
<td>Iron oxide (Fe2O3) (respirable fraction)</td>
<td>5</td>
<td></td>
<td>TWA (8 h)</td>
<td>ACGIH-2019</td>
</tr>
<tr>
<td>1309-37-1</td>
<td>Iron oxide dust and fume (as Fe)</td>
<td>-</td>
<td>5</td>
<td>TWA (8 h)</td>
<td>REL</td>
</tr>
<tr>
<td>1309-37-1</td>
<td>Iron oxide fume</td>
<td>-</td>
<td>10</td>
<td>TWA (8 h)</td>
<td>PEL</td>
</tr>
<tr>
<td>-</td>
<td>Mineral oil, excluding metal working fluids (inhaleable fraction); Pure, highly and severely refined</td>
<td>-</td>
<td>5</td>
<td>TWA (8 h)</td>
<td>ACGIH-2019</td>
</tr>
<tr>
<td>-</td>
<td>Mineral oil, excluding metal working fluids; Poorly and mildly refined</td>
<td>-</td>
<td></td>
<td>as low as possible</td>
<td>ACGIH-2019</td>
</tr>
<tr>
<td>8050-09-7</td>
<td>Rosin core solder thermal decomposition products (colophony)</td>
<td>-</td>
<td></td>
<td>as low as possible</td>
<td>ACGIH-2019</td>
</tr>
</tbody>
</table>

Exposure controls

**Appropriate engineering controls**
Provide adequate ventilation as well as local exhaustion at critical locations.

**Protective and hygiene measures**
Do not breathe gas/fumes/vapour/spray. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

**Eye/face protection**
Wear eye protection/face protection. Required properties: liquid-tight.

**Hand protection**
Wear suitable gloves.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**
Wear suitable protective clothing.

**Respiratory protection**
In case of inadequate ventilation wear respiratory protection.
Suitable respiratory protective equipment: Filter respirator (DIN EN 147). Filtering device with filter or ventilator filtering device of type: A2
Generation/formation of mist: Filtering device (full mask or mouthpiece) with filter: A2P2

**Environmental exposure controls**
Avoid release to the environment.

9. Physical and chemical properties

**Information on basic physical and chemical properties**
- **Physical state:** liquid
- **Color:** black
- **Odor:** Mineral oil
- **pH-Value:** not determined
Changes in the physical state

Melting point/freezing point: not determined
Initial boiling point and boiling range: 270 - 360 °C
Flash point: 220 °C

Flammability
Solid: not determined
Gas: not applicable

Explosive properties
The formation of combustible vapours is possible at temperatures above: Flash point. Vapours can form explosive mixtures with air.
Lower explosion limits: not determined
Upper explosion limits: not determined
Ignition temperature: not determined

Auto-ignition temperature
Solid: not determined
Gas: not determined

Decomposition temperature: not determined

Oxidizing properties
Not oxidising.

Vapor pressure: not determined
Density: > 1 g/cm³
Water solubility: Immiscible

Solubility in other solvents
not determined
Partition coefficient: not determined
Viscosity / dynamic: not determined
Viscosity / kinematic: not determined
Vapor density: not determined
Evaporation rate: not determined

10. Stability and reactivity

Reactivity
No hazardous reaction when handled and stored according to provisions.

Chemical stability
Stability: Stable
The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions
Hazardous reactions: May occur
The formation of combustible vapours is possible at temperatures above: Flash point. Vapours can form explosive mixtures with air.

Conditions to avoid
Heat
Incompatible materials

Do not store together with: Strong acid. Oxidising agent. Pyrophoric or self-heating substances.

Hazardous decomposition products

No known hazardous decomposition products.

11. Toxicological information

Information on toxicological effects

Route(s) of Entry

Inhalation, ingestion, dermal, Eye contact.

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

May cause an allergic skin reaction (rosin; colophony)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): Carbon black (CAS 1333-86-4) is listed in group 2B. Ferric oxide (CAS 1309-37-1) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

May be fatal if swallowed and enters airways

12. Ecological information

Ecotoxicity

The product is not: Ecotoxic.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

Other adverse effects

No information available.

Further information

Avoid release to the environment.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.
Contaminated packaging
This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

14. Transport information

US DOT 49 CFR 172.101

Proper shipping name: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

UN number: No dangerous good in sense of this transport regulation.
UN proper shipping name: No dangerous good in sense of this transport regulation.
Transport hazard class(es): No dangerous good in sense of this transport regulation.
Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number: No dangerous good in sense of this transport regulation.
UN proper shipping name: No dangerous good in sense of this transport regulation.
Transport hazard class(es): No dangerous good in sense of this transport regulation.
Packing group: No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user
No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

15. Regulatory information

U.S. Regulations

National Inventory TSCA
CAS No. 1333-86-4: Yes.
CAS No. 64742-55-8: Yes.
CAS No. 1309-37-1: Yes.
CAS No. 8050-09-7: Yes.

National regulatory information
SARA Section 311/312 Hazards:
rosin; colophony (8050-09-7): Immediate (acute) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)
WARNING: This product can expose you to chemicals including Carbon black (airborne, unbound particles of respirable size) (cancer), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other information

Hazardous Materials Information Label (HMIS)

Health: *2
Flammability: 1
Physical Hazard: 0
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)