Shanghai Changfeng Chemical Industrial Factory , SCC

Safety Data Sheet  

SDS


SECTION 1: Identification of the substances/mixture and of the company/undertaking
Product identifier:
Trade name: Cobalt naphthenate
Registration number: Data not available.
Relevant identified uses of the substances or mixture and uses advised against
Application of the substance/ the preparation:
Accelerator for Unsaturated Polyester Resin, Coating or Ink Drier
Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Shanghai Changfeng Chemical Industrial Factory, SCC
No 200, Hua tong Rd, Jinshan District, Shanghai
Tel: 021-51392908
Fax: 021-51392964
Further information obtainable from: Shanghai Changfeng Chemical Industrial Factory, SCC
Emergency telephone number:
Tao Zhang
Tel: 021-51392908
Email: cf-yyp@163.com
Reference number: cf20120302

SECTION 2: Hazards identification
Classification of the substance or mixture
Classification according to Regulation（EC）1272/2008

GHS08 health hazard
Muta. 1B H340 May cause genetic defects.
Carc. 1B H350 May cause cancer.
Repr. 2 H361 Suspected of damaging fertility or the unborn child.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

GHS09 environment
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

GHS07
Acute Tox. 4 H302 Harmful if swallowed.
Skin Irrit. 2 H315 Causes skin irritation
Eye Irrit. 2   H319 Causes serious eye irritation.
Skin Sens. 1   H317 May cause an allergic skin reaction.
STOT SE3   H335 May cause respiratory irritation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

- **T; Toxic**
- **R45-46:** May cause cancer. May cause heritable genetic damage.
- **Xn; Harmful**
- **R22-62-65:** Harmful if swallowed. Possible risk of impaired fertility. Harmful: May cause lung damage if swallowed.
- **Xi; Sensitising**
- **R43:** May cause sensitization by skin contact.
- **N; Dangerous for the environment**
- **R50/53:** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Label elements**

**Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labeled according to Regulation (EC) No 1272/2008.

**Hazard pictograms**

- GHS07  GHS08  GHS09

**Signal word** Danger

**Hazard-determining components of labelling:**
Cobalt naphthenate
Solvent naphtha (petroleum), light arom.

**Hazard statements:**
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H340 May cause genetic defects.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

- **P101** If medical advice is needed, have product container or label at hand.
- **P102** Keep out of reach of children.
- **P103** Read label before use.
### P261
Avoid breathing dust/fume/gas/mist/vapours/spray.

### P301+P310
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### P305+P351+P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### P321
Specific treatment (see on this label).

### P405
Store locked up.

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

**Additional information:**
Important! This product contains substances that is of restricted use under Annex XVII of Regulation (EC) No.1907/2006. For details, please refer to Section 15 and 16 of this Safety Data Sheet.

**Remark:**
Note P:
This product contains substance Solvent naphtha (petroleum), light arom. (CAS No.64742-95-6), and the classification of substance Solvent naphtha (petroleum), light arom. (CAS No.64742-95-6) as a carcinogen or mutagen need not apply if it can be shown that the substances contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

**Other hazards** Not applicable

**Results of PBT and vPvB assessment**

**PBT:** Not applicable  
**vPvB:** Not applicable  

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### SECTION 3: Composition/information on ingredients

**Chemical characterization: Mixtures**

**Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed risk phrases refer to section 16.

#### Dangerous components:

<table>
<thead>
<tr>
<th>CAS:64742-95-6</th>
<th>Solvent naphtha (petroleum), light arom</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS:61789-51-3</td>
<td>Cobalt naphthenate</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EINECS:265-199-0</th>
<th>T Care.Cat.2, Muta.Cat.2 R45-46; ( \times_{n} R_{65} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>649-356-00-4</td>
<td>Muta.1B,H340; Care.1B,H350; Asp.Tox.1,H304</td>
</tr>
</tbody>
</table>

\( \sum \) 40-80%

<table>
<thead>
<tr>
<th>CAS:263-064-0</th>
<th>Cobalt naphthenate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index number:</td>
<td>( \times_{n} R_{22-62}; \times_{i} R_{43}; ) N R50/53</td>
</tr>
<tr>
<td>EINECS:263-064-0</td>
<td>Repr. 2, H361;</td>
</tr>
<tr>
<td></td>
<td>Aquatic Chronic 1, H410;</td>
</tr>
<tr>
<td></td>
<td>Acute Tox. 4, H302; Skin Irrit. 2, H315;</td>
</tr>
<tr>
<td></td>
<td>Eye Irrit. 2, H319; Skin Sens. 1, H317;</td>
</tr>
</tbody>
</table>

\( \sum \) 20-60%

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3/10
SECTION 4: First aid measures

Description of first aid measures

General information:
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:
Supply fresh air and to be sure call for a doctor.
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 continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Do not induce vomiting; call for medical help immediately.
No further relevant information available.

SECTION 5: Firefighting measures

Extinguishing media
Suitable extinguishing agents:
CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Advice for firefighters

Protective equipment:
Wear fully protective suit.
Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment, Keep unprotected persons away.
Ensure adequate ventilation.
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.

Environmental precautions:
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/surface or ground water.
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 ventilations.

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.

SECTION 7: Handling and storage
Handling:
Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Open and handle receptacle with care.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with skin and eyes.
Avoid ingestion and inhalation.

Information about fire – and explosion protection:
Keep ignition sources away – Do not smoke.
Protect from heat.
Keep respiratory protective device available.

Storage:
Conditions for safe storage, including any incompatibilities:
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Store only in the original receptacle.

Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from flammable substances.
Store away from oxidizing agents.

Further information about storage conditions:
Keep container tightly sealed.
Store in a cool, dry conditions in well sealed receptacles.

Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection
Control parameters
0.1mg(Co)/m³

Additional information: The lists valid during the making were used as basis.

Exposure controls
Based on composition shown in Section 3, the following measures are suggested for
**Occupational safety measures:**

**Personal protective equipment:**

**General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.

**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.

**Protective of hands:**

![Protective gloves]

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. As the product is a preparation of several substances, the resistance of the glove material can not 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 found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

![Tightly sealed goggles]

**SECTION 9: Physical and chemical properties**

**General Information**

**Appearance:**

- **Form and colour:** 421-2, 421-3 are purple red thick homogeneous liquid; 421-1, 424 are purple red homogeneous liquid.
- **Odour:** Mild
- **Flash point:** >30°C
- **Self-igniting:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
SECTION 10: Stability and reactivity
Reactivity: No decomposition if used according to specification.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: No dangerous reactions known.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Hazardous decomposition products formed under fire condition.

SECTION 11: Toxicological information
Information on toxicological effects
Acute toxicity:

<table>
<thead>
<tr>
<th>LD/LC₅₀ values relevant for classification:</th>
<th>64742-95-6 Solvent naphtha (petroleum), light arom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD₅₀</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD₅₀</td>
</tr>
<tr>
<td>Inhalative</td>
<td>LC₅₀/4h</td>
</tr>
</tbody>
</table>

Primary irritant effect:
on the skin: Irritant to skin and mucous membranes.
on the eye: Irritating effect.
Sensitization:
Sensitization possible through skin contact.
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
Muta.1B, Carc.1B, Repr. 2

SECTION 12: Ecological information
Additional ecological information:
General notes:
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
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.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms
Result of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 13: Disposal considerations
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.
## SECTION 14: Transport information

Transport hazard class(es)  
3

UN-Number  
UN1993

Packing group:  
III

## SECTION 15: Regulatory information

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

<table>
<thead>
<tr>
<th>MAK(German Maximum Workplace Concentration)</th>
<th>None of the ingredients is listed.</th>
</tr>
</thead>
</table>

**National regulations:**

**Information about limitation of uses:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

**Waterhazard class:**  
Water hazard class 2 (Self-assessment): hazardous for water.

**Other regulations, limitations and prohibitive regulations**

<table>
<thead>
<tr>
<th>SVHC Candidate List of REACH Regulation Annex XIV Authorisation (19/12/2012)</th>
<th>None of the ingredients is listed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>REACH Regulation Annex XVII Restriction (13/2/2013)</td>
<td>64742-95-6</td>
</tr>
<tr>
<td></td>
<td>61789-51-3</td>
</tr>
<tr>
<td>REACH Regulation Annex XIV Authorization List (17/4/2013)</td>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

## SECTION 16: Other information

**Recommended restriction of use**

REACH Annex XVII Restricted -3

Liquid substances or mixtures, which are regarded as dangerous according to the definitions in Directive 67/548/EEC and Directive 1999/45/EC

Solvent naphtha (petroleum), light arom. (CAS No. 64742-95-6)

1. Shall not be used in:
   - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays.
   - tricks and jokes.
   - games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

2. Articles not complying with paragraph I shall not be placed on the market.

3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
   - can be used as fuel in decorative oil lamps for supply to the general public, and,
   - present an aspiration hazard and are labeled with R65 or H304.

4. Decorative oil lamps for supply to the general public shall not be placed on the market unless
they conform to the European Standard on Decorative oil lamps (EN 14059) Adopted by the European Committee for Standardisation (CEN).

5. Without prejudice to the implementation of other Community provisions relating to the Classification, packaging and labeling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:

(a) Lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: “Keep lamps filled with this liquid out of the reach of children”; and, by 1 December 2010, “Just a sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damages”;

(b) Grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: “Just a sip of grill lighter may lead to life threatening lung damage”;

(c) Lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.

6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.

7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternative to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.

REACH Annex XVII Restricted -28,29

Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B (Table 3.1) or carcinogen category 1 or 2 (Table 3.2) and listed as follows:

- Carcinogen category 1A (Table 3.1) /carcinogen category 1 (Table 3.2) listed in Appendix 1
- Carcinogen category 1B (Table 3.1) /carcinogen category 2 (Table 3.2) listed in Appendix 2

Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as germ cell mutagen category 1A or 1B (Table 3.1) or mutagen category 1 or 2 (Table 3.2) and listed as follows:

- Mutagen category 1A (Table 3.1)/mutagen category 1 (Table 3.2) listed in Appendix 3
- Mutagen category 1B (Table 3.1)/mutagen category 2 (Table 3.2) listed in Appendix 4

Solvent naphtha (petroleum), light arom. (CAS No.64742-95-6)

Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:

1. Shall not be placed on the market, or used,
   - as substances,
   - as constituents of other substances, or,
   - in mixtures,

for supply to the general public when the individual concentration in the substances or mixture is equal to or greater than:
- either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or,
- the relevant concentration specified in Directive 1999/45/EC.

Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:

“Restricted to professional users”.

2. By way of derogation, paragraph I shall not apply to:
   (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC;
   (b) cosmetic products as defined by Directive 76/768/EEC;
   (c) the following fuels and oil products:
      - motor fuels which are covered by Directive 98/70/EC,
      - mineral oil products intended for use as fuel in mobile or fixed combustion plants,
      - fuels sold in closed systems (e.g. liquid gas bottles);
   (d) artists’ paints covered by Directive 1994/45/EC.

Relevant phrases

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H340 May cause genetic defects.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

R22 Harmful if swallowed.
R43 May cause sensitization by skin contact.
R45 May cause cancer.
R46 May cause heritable genetic damage.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R65 Harmful: may cause lung damage if swallowed.