## 1 Identification

- **Product identifier**
  - **Trade name:** Total Coat Heavy Duty
  - **Article number:** TC-HD

### Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

- **Application of the substance / the mixture:** Coating for corrosion, abrasion and sound protection

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

- **Manufacturer/Supplier:** Chemicar USA
  - 670 New York Street
  - Memphis, TN 38104
  - Tel: 1 (800) 261-7976
  - Fax: 1 (901) 274-8816
  - Email: Gino.Bauwens@chemicar.com

- **Information department:** Claus.Grafe@Chemicar.com
- **Emergency telephone number:** Tel: 1 (800) 424-9300

## 2 Hazard(s) identification

### Classification of the substance or mixture

- None
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
  - None

### Information concerning particular hazards for human and environment:

Not Applicable

### Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

### Label elements

**GHS label elements:**
The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms** None
- **Signal word** None
- **Hazard statements** None
- **Precautionary statements** None
- **Hazard description:**

### Other hazards

**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 2)
3 Composition/Information on ingredients

Chemical characterization: Mixtures
Description: Mixture of the substances.
Dangerous components: None

4 First-aid measures

Description of first aid measures

After inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops.
After skin contact: Wash thoroughly affected areas with plenty of soap and water. Get medical attention if irritation occurs
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: If symptoms persist consult 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: CO2, sand, extinguishing powder, water and water jet.
For safety reasons unsuitable extinguishing agents: Not Applicable
Special hazards arising from the substance or mixture: No further relevant information available.
Advice for firefighters
Protective equipment: Mount respiratory protective device.
Additional information: Cool endangered receptacles with water spray.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Environmental precautions:
Avoid release into the environment
Methods and material for containment and cleaning up:
Absorb with vermiculite or other inert material, then place in container for chemical waste.
Large spillages: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams. Contain for later disposal.
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.
7 Handling and storage

- **Precautions for safe handling**
  Ensure good ventilation/exhaustion at the workplace.
  Use only in well ventilated areas.

- **Information about protection against explosions and fires**: None

- **Conditions for safe storage, including any incompatibilities**

  - **Storage**:
    - **Requirements to be met by storerooms and receptacles**: Store in a cool location.
    - **Information about storage in one common storage facility**: Not required.

  - **Further information about storage conditions**:
    - Keep receptacle tightly sealed.
    - Store in cool, dry conditions in well sealed receptacles.
    - Do Not Freeze

- **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 item 7.

- **Control parameters**

  - **Components with limit values that require monitoring at the workplace**:

    | Parameter | Value   |
    |-----------|---------|
    | PEL       | Not Applicable |
    | REL       | Not Applicable |
    | TLV       | Not Applicable |

**Additional information**: The lists that were valid during the creation were used as basis.

**Exposure controls**

**Personal protective equipment**:

**General protective and hygienic measures**:
- Wash hands before breaks and at the end of work.
- Do not inhale fumes.
- Observe good industrial hygiene practices.

**Breathing equipment**:
- The use of an N rated dust/particle mask respirator is recommended.

**Protection of hands**:

- **Protective gloves**

  - **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.
    - Nitrile, latex or poly disposable gloves.

  - **Penetration time of glove material**
    - > 480 min.
    - The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection**:
  - Tightly sealed goggles

**Body protection**: Use protective suit.
### 9 Physical and chemical properties

<table>
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<tr>
<th>Property</th>
<th>Value</th>
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<tr>
<td><strong>Information on basic physical and chemical properties</strong></td>
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<td><strong>General Information</strong></td>
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<td><strong>Appearance</strong></td>
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<td><strong>Decomposition temperature</strong></td>
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<td><strong>Auto igniting</strong></td>
<td>Product is not selfigniting.</td>
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<tr>
<td><strong>Danger of explosion</strong></td>
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<td><strong>Explosion limits</strong></td>
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<tr>
<td>Upper</td>
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</table>
10 Stability and reactivity

Reactivity
Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions: No dangerous reactions known.
Conditions to avoid: Do not freeze. Keep away from open flames.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: Burning may produce oxides of carbon and nitrogen, hydrogen, cyanide as well as other toxic gases and vapors.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values that are relevant for classification:
    - Carbon Black in water dispersion
      | Oral | LD50 | > 2000 mg/kg (RAT) |
      | Dermal | LD50 | Not Determined |
      | Inhalative | LC50/4 h | Not Determined |
- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
  - Sensitization: No sensitizing effects known.
- Additional toxicological information:
  No further relevant information available.

- 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)
    None of the ingredients is listed.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability: No further relevant information available.
Bioaccumulative potential: No further relevant information available. Mobility in soil No further relevant information available.
Ecotoxic effects: No further relevant information available.
Remark:
Additional ecological information:
General notes: Do not release untreated into natural waters. At the present state of knowledge, no negative ecological effects are expected.
Biodegradation Product: >70% (Zahn Wellens Method).
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.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to local/state/federal/international official regulations. Let uncleaned containers air dry and recycle as a plastic.

### 14 Transport information

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</table>
15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
    - **Section 355 (extremely hazardous substances):** None of the ingredient is listed.
    - **Section 313 (Specific toxic chemical listings):** None of the ingredient 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

- **Cancerogenity categories**
  - **EPA (Environmental Protection Agency)** None of the ingredients is listed.
  - **TLV (Threshold Limit Value established by ACGIH)** None of the ingredients is listed.
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)** None of the ingredients is listed.

- **GHS label elements**
  - The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms** None
  - **Signal word** None
  - **Hazard statements** None
  - **Precautionary statements** None
  - **National regulations:**
    - **Water hazard class:** A Water Hazard Assessment has not been carried out.
    - **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.

**HMIS:** 1- Health 0- Fire 0- Reactivity **NFPA:** 1- Health 0- Fire 0- Reactivity

**Department issuing MSDS:** Total Coat Product safety department.

**Contact:** Claus.Grafe@chemicar.com

**Date of preparation / last revision** 03/01/2015

**Abbreviations and acronyms:**
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organization
- 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 (Contd. on page 8)
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)
WHMIS: Workplace Hazardous Materials Information System (Canada)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 2: Flammable liquids, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

* Data compared to the previous version altered.