

Printing date 03/01/2015

Reviewed on 03/01/2015

**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.

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### 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:** CO<sub>2</sub>, 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.

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**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.

USA

**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:****None**

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 can not 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**

&gt; 480 min.

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

**Body protection:** Use protective suit.

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**9 Physical and chemical properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· <b>Form:</b>	Fluid
· <b>Color:</b>	Black
· <b>Odor:</b>	Slight Characteristic
· <b>Odour threshold:</b>	Not determined.

· **pH-value:** 7.2 to 8.5· **Change in condition**

· <b>Melting point/Melting range:</b>	Undetermined.
· <b>Boiling point/Boiling range:</b>	100°C/212°F
· <b>Freezing point/ Freezing range:</b>	0°C/32°F

· **Flash point:** Not Applicable· **Flammability (solid, gaseous):** Not applicable.· **Ignition temperature:** Not Applicable· **Decomposition temperature:** Not determined.· **Auto igniting:** Product is not selfigniting.· **Danger of explosion:** Product is not explosive.· **Explosion limits:**

· <b>Lower:</b>	Not Applicable
· <b>Upper:</b>	Not Applicable

· **Vapor pressure at 20 °C:** Not Applicable· **Vapour pressure at 50 °C:** Not Applicable

· <b>Density at 20 °C:</b>	1.4 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.

· **Solubility in / Miscibility with**· **Water:** 100%· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:**

· <b>Dynamic:</b>	25.000 to 60.000 cPs at 25 C°
· <b>Kinematic at 20 °C:</b>	Not Determined

· **Solvent content:**

· <b>Organic solvents:</b>	None
· <b>VOC content:</b>	None

· **Solids content:** 65 % +/- 5 %· **Other information** No further relevant information available.· **VOC (EU):** None· **VOC (EU):** None· **VOC (US):** None

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**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.**Ecotoxicological 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.

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**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**

· **UN-Number**  
· **DOT, ADR, IMDG, IATA** Not Applicable

· **UN proper shipping name**  
· **DOT** Not Applicable  
· **ADR** Not Applicable  
**IMDG** Not Applicable  
· **IATA** Not Applicable

**Transport hazard class(es)**  
**DOT** Not Applicable  
**Class** Not Applicable  
**Label** Not Applicable

**ADR, IMDG** Not Applicable  
**Class** Not Applicable  
**Label** Not Applicable

**IATA** Not Applicable  
**Class** Not Applicable  
**Label** Not Applicable

**Packing group**  
**DOT, IMDG, IATA** Not Applicable  
**ADR** Not Applicable

· **Environmental hazards:** Not Applicable  
Not Applicable

· **Marine pollutant:**

· **Special marking (ADR):** Not Applicable

· **Special precautions for user** Not Applicable  
· **Danger code (Kemler):** Not Applicable  
· **EMS Number:** Not Applicable

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

· **Transport/Additional information:** Not Applicable

**DOT** Not Applicable  
**Quantity limitations**

**ADR**  
**Excepted quantities (EQ)** Not Applicable

**IMDG**  
**Limited quantities (LQ)** Not Applicable  
**Excepted quantities (EQ)** Not Applicable

**UN "Model Regulation":** Not Applicable

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**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

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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.**

USA