



# Safety Data Sheets

FOR TURBOCHEF OVEN CLEANER AND OVEN GUARD



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# Safety Data Sheet


according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

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## 1 Identification

- **Product identifier**
- **Trade name:** Turbochef Oven Cleaner
- **Other means of identification:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:**
  - Degreaser
  - Surface cleanser
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
  - Chemco Corporation
  - 300 Canal St.
  - Lawrence MA 01840 USA
  - Telephone (978) 687-9000
  - Toll-Free (800) 458-8010
- **Emergency telephone number:**
  - ChemTel Inc.
  - (800)255-3924 (North America)
  - +1 (813)248-0585 (International)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Skin Irrit. 2 H315 Causes skin irritation.
  - Eye Dam. 1 H318 Causes serious eye damage.
- **Label elements**
- **GHS label elements**
  - The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**
  - 
  - GHS05
- **Signal word:** Danger
- **Hazard statements:**
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
- **Precautionary statements:**
  - P264 Wash thoroughly after handling.
  - P280 Wear protective gloves and eye protection.
  - P302+P352 If on skin: Wash with plenty of water.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P310 Immediately call a poison center/doctor.
  - P332+P313 If skin irritation occurs: Get medical advice/attention.
  - P362+P364 Take off contaminated clothing and wash it before reuse.

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· **Other hazards** There are no other hazards not otherwise classified that have been identified.

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

141-43-5	2-aminoethanol ⚠ Skin Corr. 1B, H314 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335 Flam. Liq. 4, H227	<5%
27323-41-7	Dodecylbenzenesulphonic acid, compound with 2,2',2''-nitrilotriethanol (1:1) ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	<5%
26836-07-7	dodecylbenzenesulphonic acid, compound with 2-aminoethanol (1:1) ⚠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315	<5%
68604-71-7	Disodium cocoamphodipropionate ⚠ Eye Irrit. 2A, H319	<5%
29911-28-2	1-(2-butoxy-1-methylethoxy)propan-2-ol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	<5%
67-56-1	Methanol ⚠ Flam. Liq. 2, H225 ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 ⚠ STOT SE 1, H370 Eye Irrit. 2B, H320	<1%

· **Additional information:**

For the wording of the listed Hazard Statements, refer to section 16.

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

## 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; consult doctor in case of complaints.

· **After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn, if possible.

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

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

· **Most important symptoms and effects, both acute and delayed:**

Headache

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Coughing  
Cramp  
Nausea

· **Danger:**

Danger of convulsion.  
Danger of impaired breathing.  
Danger of disturbed cardiac rhythm.  
No relevant information available.

· **Indication of any immediate medical attention and special treatment needed:**

Contains methanol. Consult literature for specific antidotes.  
If medical advice is needed, have product container or label at hand.  
Medical supervision for at least 48 hours.

## 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

The product is not flammable.  
Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** None.

· **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.  
Wear fully protective suit.

## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation.

· **Environmental precautions**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Send for recovery or disposal in suitable receptacles.

· **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

· **Handling**

· **Precautions for safe handling:**

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Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with the eyes and skin.

Avoid breathing mist, vapors, or spray.

Keep out of reach of children.

· **Information about protection against explosions and fires:** No special measures required.

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

· **Requirements to be met by storerooms and receptacles:**

Store in cool, dry conditions in well sealed receptacles.

· **Information about storage in one common storage facility:**

Do not store together with acids.

Store away from foodstuffs.

Store away from oxidizing agents.

· **Further information about storage conditions:** Protect from frost.

· **Specific end use(s)** No relevant information available.

## 8 Exposure controls/personal protection

· **Control parameters**

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

### 141-43-5 2-aminoethanol

PEL (USA) Long-term value: 6 mg/m<sup>3</sup>, 3 ppm

REL (USA) Short-term value: 15 mg/m<sup>3</sup>, 6 ppm

Long-term value: 8 mg/m<sup>3</sup>, 3 ppm

TLV (USA) Short-term value: 15 mg/m<sup>3</sup>, 6 ppm

Long-term value: 7.5 mg/m<sup>3</sup>, 3 ppm

EL (Canada) Short-term value: 6 ppm

Long-term value: 3 ppm

EV (Canada) Short-term value: 15 mg/m<sup>3</sup>, 6 ppm

Long-term value: 7.5 mg/m<sup>3</sup>, 3 ppm

LMPE (Mexico) Short-term value: 6 ppm

Long-term value: 3 ppm

### 67-56-1 Methanol

PEL (USA) Long-term value: 260 mg/m<sup>3</sup>, 200 ppm

REL (USA) Short-term value: 325 mg/m<sup>3</sup>, 250 ppm

Long-term value: 260 mg/m<sup>3</sup>, 200 ppm

Skin

TLV (USA) Short-term value: 328 mg/m<sup>3</sup>, 250 ppm

Long-term value: 262 mg/m<sup>3</sup>, 200 ppm

Skin; BEI

EL (Canada) Short-term value: 250 ppm

Long-term value: 200 ppm

Skin

EV (Canada) Short-term value: 325 mg/m<sup>3</sup>, 250 ppm

Long-term value: 260 mg/m<sup>3</sup>, 200 ppm

Skin

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LMPE (Mexico)	Short-term value: 250 ppm Long-term value: 200 ppm PIEL, IBE
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· **Ingredients with biological limit values:**

**67-56-1 Methanol**

BEI (USA)	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
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· **Exposure controls**

· **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.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Engineering controls:** No relevant information available.

· **Breathing equipment:**

Not necessary if room is well-ventilated.

Use suitable respiratory protective device when aerosol or mist is formed.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **For the permanent contact gloves made of the following materials are suitable:**

Butyl rubber, BR

Neoprene gloves

· **Eye protection:**



Safety glasses

· **Body protection:** Alkaline resistant protective clothing

· **Limitation and supervision of exposure into the environment**

No relevant information available.

· **Risk management measures** See Section 7 for additional information.

## 9 Physical and chemical properties

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

· **Appearance:**

**Form:** Liquid

**Color:** Red

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

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· <b>pH-value at 20 °C (68 °F):</b>	9.5-10
· <b>Melting point/Melting range:</b>	Not determined.
· <b>Boiling point/Boiling range:</b>	100 °C (212 °F)
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Auto-ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Oxidizing properties:</b>	Non-oxidizing.
· <b>Vapor pressure:</b>	Not determined.
· <b>Density:</b>	
Relative density:	1.03
Vapor density:	Not determined.
Evaporation rate:	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>VOC content:</b>	1 % wt
· <b>Other information</b>	No relevant information available.

### 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**  
Reacts with strong oxidizing agents.  
Reacts with strong acids.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials**  
Strong acids  
Oxidizers
- **Hazardous decomposition products**  
Carbon monoxide and carbon dioxide  
Sulfur oxides (SOx)

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Nitrogen oxides

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## 11 Toxicological information

### · Information on toxicological effects

- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
  - **On the skin:** Irritant to skin and mucous membranes.
  - **On the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.

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

None of the ingredients are listed.

### · NTP (National Toxicology Program):

None of the ingredients are listed.

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

None of the ingredients are listed.

### · Probable route(s) of exposure:

Ingestion.  
Inhalation.  
Eye contact.  
Skin contact.

### · Acute effects (acute toxicity, irritation and corrosivity):

Causes serious eye damage.  
Irritating to skin.  
May be harmful if swallowed.  
May be harmful in contact with skin.  
May be harmful if inhaled.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

## 12 Ecological information

### · Toxicity

- **Aquatic toxicity** No relevant information available.
- **Persistence and degradability** Biodegradable.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.

### · Additional ecological information

#### · General notes:

This statement was deduced from the properties of the single components.

Due to available data on eliminability/decomposition and bioaccumulation potential, a prolonged damage

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of the environment is unlikely.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Other adverse effects** No relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Smaller quantities can be disposed of with household waste.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- **UN-Number**

- DOT, ADR/RID/ADN, IMDG, IATA Not regulated.

- **UN proper shipping name**

- DOT, ADR/RID/ADN, IMDG, IATA Not regulated.

- **Transport hazard class(es)**

- DOT, ADR/RID/ADN, IMDG, IATA
- Class Not regulated.

- **Packing group**

- DOT, ADR/RID/ADN, IMDG, IATA Not regulated.

- **Environmental hazards**

- Marine pollutant: No

- **Special precautions for user**

Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## 15 Regulatory information

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

- United States (USA)

- SARA

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· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

67-56-1 | Methanol

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed or exempt.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

67-56-1 | Methanol

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

None of the ingredients are listed.

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

None of the ingredients are listed.

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed or exempt.

## 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.

· **Abbreviations and acronyms:**

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

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

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

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

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STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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