TurboChef Non-Caustic Oven & Grill Cleaner (Powder)

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product name : TurboChef Non-Caustic Oven & Grill Cleaner (Powder)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Oven Cleaner

1.3. Details of the supplier of the safety data sheet

Magnus
16005 Gateway Drive, Suite 300
Frisco, TX 75033

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 CHEMTREC

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Met. Corr. 1	H290
Skin Corr. 1B	H314
Eye Dam. 1	H318
STOT SE 3	H335

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :

GHS05 GHS07

Signal word (GHS US) : Danger

Hazard statements (GHS US) :
H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

Precautionary statements (GHS US) :
P234 - Keep only in original container.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
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 or doctor.
P312 - Call a poison center or doctor if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P363 - Wash contaminated clothing before reuse.
P390 - Absorb spillage to prevent material-damage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P406 - Store in corrosive resistant container with a resistant inner liner.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Sodium metasilicate	(CAS-No.) 6834-92-0	50 – 70
Disodium carbonate	(CAS-No.) 497-19-8	10 – 20
Sodium lauryl sulfate	(CAS-No.) 151-21-3	5 – 10
Alcohols, C9-11, ethoxylated	(CAS-No.) 68439-46-3	1 – 5
Cellulose, 2-hydroxyethyl ether	(CAS-No.) 9004-62-0	1 – 5
2-Butoxyethanol	(CAS-No.) 111-76-2	1 – 5

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim from source of exposure to fresh air. If breathing is difficult administer oxygen. Seek medical attention.

First-aid measures after skin contact : In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Seek medical attention

First-aid measures after eye contact : Flush with plenty of water for at least 15 minutes. Remove contact lenses. Seek medical attention.

First-aid measures after ingestion : If possible, drink water (two glasses at most). Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Causes severe skin burns.

Symptoms/effects after eye contact : Causes eye damage.

Symptoms/effects after ingestion : May be harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Fire may liberate hazardous vapors.

Explosion hazard : None known.

5.3. Advice for firefighters

Protection during firefighting : Firefighters should wear full protective gear. Use water spray to supress gases/vapors/mists. Prevent extinguishing media from contaminating surface or ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : If possible, stop flow of product. Cover drains to prevent release from spreading.

Methods for cleaning up : Confine spill and vacuum. Avoid dust generation. Place in an approved container and dispose in accordance with local, state and federal regulations.

6.4. Reference to other sections

For further information, refer to section 8 (Exposure controls and personal protection) and section 13 (Disposal considerations).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep in original container. Keep containers tightly closed and in a dry,cool,and well ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Disodium carbonate (497-19-8)

Not applicable

Sodium metasilicate (6834-92-0)

Not applicable

Alcohols, C9-11, ethoxylated (68439-46-3)

Not applicable

Sodium lauryl sulfate (151-21-3)

Not applicable

Cellulose, 2-hydroxyethyl ether (9004-62-0)

Not applicable

2-Butoxyethanol (111-76-2)

ACGIH	ACGIH OEL TWA [ppm]	20 ppm
OSHA	OSHA PEL (TWA) [1]	240 mg/m³
OSHA	OSHA PEL (TWA) [2]	50 ppm
IDLH	IDLH [ppm]	700 ppm
NIOSH	NIOSH REL (TWA)	24 mg/m³
NIOSH	NIOSH REL TWA [ppm]	5 ppm

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work place . A washing facility/water for eye and skin cleaning purposes should be present. A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Hand protection : Wear chemical resistant gloves to minimize skin contact.

Eye protection : Use safety goggles when handling.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : None required under normal product handling conditions. Use NIOSH certified respiratory protection if workplace exposure limits may be exceeded.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Color : No data available

Odor : Odorless

Odor threshold : No data available

pH : 11 – 11.9

Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	Miscible with water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Avoid prolonged exposure to extreme heat. Avoid contact with hot surfaces. Avoid flames and sparks. Avoid extremely high or low temperatures.

10.5. Incompatible materials

Strong acids, Lead, Tin/tin oxides, Zinc, Aluminum, Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Disodium carbonate (497-19-8)	
LD50 oral rat	4090 mg/kg
ATE US (oral)	4090 mg/kg

Sodium metasilicate (6834-92-0)	
LD50 oral rat	1153 mg/kg
ATE US (oral)	600 mg/kg

Alcohols, C9-11, ethoxylated (68439-46-3)	
LD50 oral rat	1400 mg/kg
ATE US (oral)	1378 mg/kg

Sodium lauryl sulfate (151-21-3)	
LD50 oral rat	1288 mg/kg
LD50 dermal rabbit	200 mg/kg
LC50 Inhalation - Rat	> 3900 mg/m³ (Exposure time: 1 h)

Sodium lauryl sulfate (151-21-3)	
ATE US (oral)	1288 mg/kg
ATE US (dermal)	580 mg/kg

2-Butoxyethanol (111-76-2)	
LD50 oral rat	470 mg/kg
LD50 dermal rabbit	99 mg/kg
LC50 Inhalation - Rat [ppm]	486 ppm/4h
ATE US (oral)	470 mg/kg body weight
ATE US (dermal)	220 mg/kg body weight

Skin corrosion/irritation : Causes severe skin burns.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

2-Butoxyethanol (111-76-2)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified
STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Disodium carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	265 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	310 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Sodium metasilicate (6834-92-0)	
LC50 - Fish [1]	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
LC50 - Fish [2]	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)

Sodium lauryl sulfate (151-21-3)	
LC50 - Fish [1]	8 – 12.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	1.8 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	15 – 18.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

2-Butoxyethanol (111-76-2)	
LC50 - Fish [1]	1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Disodium carbonate (497-19-8)	
BCF - Fish [1]	(no bioaccumulation)

Sodium lauryl sulfate (151-21-3)	
BCF - Fish [1]	(will not bioconcentrate)
Partition coefficient n-octanol/water (Log Pow)	1.6

2-Butoxyethanol (111-76-2)	
Partition coefficient n-octanol/water (Log Pow)	0.81 (at 25 °C)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the ozone layer : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

This product as packaged is considered a smalll quantity as defined in 49 CFR 173.4 and is not subject to any other DOT requirement.

SECTION 15: Regulatory information

15.1. US Federal regulations

Disodium carbonate (497-19-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Sodium metasilicate (6834-92-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Alcohols, C9-11, ethoxylated (68439-46-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Sodium lauryl sulfate (151-21-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Cellulose, 2-hydroxyethyl ether (9004-62-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

2-Butoxyethanol (111-76-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State regulations

2-Butoxyethanol (111-76-2)
U.S. - Massachusetts - Right To Know List U.S. - Minnesota - Hazardous Substance List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.