

SAFETY DATA SHEET
According to 29 CFR 1910.1200 (HCS)
MERRYCHEF OVEN CLEANER

Page: 1
Compilation date: 16/07/2014
Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Merrychef Oven Cleaner
Product Code: 420US

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Use of substance/mixture: PC35: Washing and cleaning products (including solvent based products)

1.3 Details of the supplier of the safety data sheet

Company Name: Merrychef USA, 18301 St. Clair Avenue,
Cleveland, OH 44110
Tel: (888) 417-5462
E-mail: info@merrychefusa.com

1.4 Emergency telephone number

Emergency tel:

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification: Eye Dam. 1: H318; Skin Irrit. 2: H315
Most important adverse effects: Causes skin irritation. Causes serious eye damage.
Hazard statements: H315: Causes skin irritation.
H318: Causes serious eye damage.
Signal words: Danger
Hazard Pictograms: GHS05: Corrosion.



SAFETY DATA SHEET
According to 29 CFR 1910.1200 (HCS)
MERRYCHEF OVEN CLEANER

Page: 2
Compilation date: 16/07/2014
Revision No: 1

Precautionary statements: P102: Keep out of reach of children.
P260: Do not breathe spray.
P280: Wear protective gloves.
P282: Wear eye protection.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P332+313: If skin irritation occurs: Get medical advice.
P264: Wash hands after handling.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical advice/attention.
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P310: Immediately call a POISON CENTRE or doctor.
P362: Take off contaminated clothing and wash before reuse.

2.2 Other Hazards

PBT: This product is not identified as a PBT substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Other Hazards

Hazardous ingredients:

Chemical Name	CAS-No.	CLP Classification	Percent
ISOTRIDECANOLETHOXYLATE,POLYMER (8 MOLE EO AVERAGE)	69011-36-5	Acute Tox. 4: H302; Eye Dam. 1: H318	4.9%
3-BUTOXYPROPAN-2-OL	5131-66-8	Eye Irrit. 2: H319; Skin Irrit. 2: H315	2.9%
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5	Eye Irrit. 2: H319	2.4%
2-AMINOETHANOL	141-43-5	Eye Irrit. 2: H319	1.9%
QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18- ALKYLDIMETHYL, CHLORIDES	63449-41-2	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400	0.99%
ALCOHOLS, C12-C14, ETHOXYLATED	68439-50-9	Aquatic Acute 1: H400; Eye Dam. 1: H318	0.2%

Non-hazardous ingredients:

Chemical Name	CAS-No.	CLP Classification	Percent
C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID21)	160875-66- 1	Eye Dam. 1: H318	0.4%
CITRIC ACID ANHYDROUS POWDER	77-92-9	Eye Irrit. 2: H319	0.1%

SAFETY DATA SHEET
According to 29 CFR 1910.1200 (HCS)
MERRYCHEF OVEN CLEANER

Page: 3
Compilation date: 16/07/2014
Revision No: 1

4. FIRST AID MEASURES

4.1 Description of first aid measures

- Skin contact: Wash immediately with plenty of soap and water.
- Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion: Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
- Inhalation: Remove casualty from exposure ensuring one's safety whilst doing so. If conscious, ensure the casualty sits or lies down.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact:	There may be mild irritation at the site of contact
Eye contact:	There may be irritation and pain.
Ingestion:	There may be soreness and redness of the mouth and throat.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

As indicated in 4.1 above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media: Water.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3 Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with the skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3 Methods and materials for containment and cleaning up

Cont...

SAFETY DATA SHEET
According to 29 CFR 1910.1200 (HCS)
MERRYCHEF OVEN CLEANER

Page: 4
Compilation date: 16/07/2014
Revision No: 1

Clean-up procedures: Transfer to a suitable container. Vacuum up with a wet vacuum machine or mop with an absorbent mop and a collection bucket with wringer.

6.4 Reference to other sections

7. HANDLING AND STORAGE

7.1 Precautions for safe handling.

Handling requirements: Do not breathe spray.
Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities.

Suitable packaging: Polyethylene. Keep in the original container.

7.3 Specific end use(s).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational exposure limits.

Components	CAS	Mg/m ³	PPM	Basis
3-BUTOXYPROPAN-2-OL	5131-66-8	-	50ppm	TLV none established DOW industrial hygiene guideline
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5		10ppm	TLV non established EUOEL; 8hour TWA
2-AMINOETHANOL	141-43-5		3ppm	OSHA, PEL TWA

8.2 Exposure controls

Hand protection: Gloves (alkali-resistant).
Eye protection: Safety glasses with side-shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State: Liquid
Colour: Colourless
Odour: Characteristic odour
Evaporation rate: Moderate
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Soluble
Viscosity: Non-viscous
Boiling point/range °C: 100
Melting point/range °C: 0
Flammability limits %: lower: Not applicable. Upper: Not applicable.
Flash point °C: Not applicable
Part.coeff. n-octanol/water: Not applicable.
Autoflammability °C: Not applicable.
Vapour pressure: Not applicable.
Relative density: 1.009
pH: 11.4
VOC g/l: 55

Cont...

SAFETY DATA SHEET
According to 29 CFR 1910.1200 (HCS)
MERRYCHEF OVEN CLEANER

Page: 5
Compilation date: 16/07/2014
Revision No: 1

9.2 Other information

Other information: No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical stability

Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid

10.5 Incompatible materials

10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects.

Acute oral toxicity: 6800mg/kg estimated (oral rat.)

Acute inhalation toxicity: No data available

Acute dermal toxicity: No data available

Hazardous Ingredients

ISOTRIDECANOETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

ORAL	RAT	LD50	500-2000	mg/kg
------	-----	------	----------	-------

3-BUTOXYPROPAN-2-OL

ORL	RAT	LD50	2700	mg/kg
SKN	RBT	LD50	3100	mg/kg

2-(2-BUTOXYETHOXY)ETHANOL

ORL	MUS	LD50	6050	mg/kg
ORL	RAT	LD50	4500	mg/kg

2-AMINOETHANOL

IVN	RAT	LD50	225	mg/kg
ORL	MUS	LD50	700	mg/kg
ORL	RAT	LD50	1720	mg/kg
SCU	RAT	LD50	1500	mg/kg

SAFETY DATA SHEET
According to 29 CFR 1910.1200 (HCS)
MERRYCHEF OVEN CLEANER

Page: 6
Compilation date: 16/07/2014
Revision No: 1

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8018-ALKYLDIMETHYL, CHLORIDES

IVN	MUS	LD50	16	mg/kg
ORL	MUS	LD50	150	mg/kg

ALCOHOLS, C12-C14, ETHOXYLATED

ORL	RAT	LD50	>5000	mg/kg
-----	-----	------	-------	-------

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

- Skin contact: There may be mild irritation at the site of contact.
- Eye contact: There may be irritation and pain.
- Ingestion: There may be soreness and redness of the mouth and throat.
- Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

12. ECOLOGICAL INFORMATION

12.1 Toxicity.

Hazardous Ingredients

ISOTRIDECANOETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

FISH	96H LC50	1-10	mg/l
------	----------	------	------

ALCOHOLS, C12-C14, ETHOXYLATED

-	48H EC50	>1-<=10	mg/l
-	48H EC50	>100	mg/l
-	96H LC50	>1-<=10	mg/l
-	96H LC50	>1-<=10	mg/l

12.2 Persistence and degradability.

Persistence and degradability: Biodegradable.

12.3 Bio accumulative potential.

Bio accumulative potential: No bio accumulation potential.

12.4 Mobility in soil.

Mobility: Soluble in water.

12.5 Results of PBT and vPvB assessment.

PBT identification: This product is not identified as a PBT substance.

12.6 Other adverse effects.

SAFETY DATA SHEET
According to 29 CFR 1910.1200 (HCS)
MERRYCHEF OVEN CLEANER

Page: 7
Compilation date: 16/07/2014
Revision No: 1

13. DISPOSAL CONSIDERATIONS

13.1 Disposal of packaging.

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

14.1 Transport Class.

Transport class: This product does not require classification for transport.

15. REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. OTHER INFORMATION

16.1 Other information.

Other information: This safety data sheet is prepared in accordance with the Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and 3: H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H400: Very toxic to aquatic life.
R36: Irritating to eyes.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

NFPA rating:	Health	Flammability	Reactivity
	1	1	0

HMIS rating:	Health	Flammability	Reactivity
	1	1	0