

**Trade name:** Micro Cut M3.02**Product no.:** 403999**Current version :** 1.0.0, issued: 14.01.2020**Replaced version:** 1.0.0, issued: 16.09.2019**Region:** USA**SECTION 1: Identification****1.1 Product identifier**

Trade name

**Micro Cut M3.02****1.2 Recommended use of the chemical and restrictions on use****Recommended use of the chemical and restrictions on use**

polish

**Restrictions on use**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

**1.4 Emergency phone number**

(+1) 202 464 2554

**SECTION 2: Hazard(s) identification****2.1 Classification of the chemical****Classification information**

This product is not subject to classification in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication".

**2.2 Label elements**

Not relevant

**2.4 Hazards not otherwise classified (HNOC)**

No data available

**SECTION 3: Composition / information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

No	Substance name	Concentration	%
1	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	>= 10.00 - < 25.00	%-b.w.
	64742-48-9		

**SECTION 4: First-aid measures****4.1 Description of necessary first-aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove contaminated clothing and shoes and launder thoroughly before reusing.

**After inhalation**

Ensure supply of fresh air.

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**After skin contact**

When in contact with the skin, clean with soap and water.

**After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

**After ingestion**

Rinse mouth thoroughly with water. Get medical attention if pain still persists.

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

No data available.

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

Treat symptomatically.

**SECTION 5: Fire-fighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Extinguishing powder; Carbon dioxide; Water spray jet; Foam

**Unsuitable extinguishing media**

Full water jet

**5.2 Specific hazards arising from the chemical**

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Nitrogen oxides (NO<sub>x</sub>); Toxic gases/vapours

**5.3 Special protective equipment and precautions for fire-fighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Cool endangered containers with water spray jet.

**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Forms slippery surfaces with water.

**For emergency responders**

Personal protective equipment (PPE) - see Section 8.

**6.2 Methods and materials for containment and cleaning up**

Take up with absorbent material (e.g., sand, diatomaceous earth, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

**Precautions for safe handling**

If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Ensure adequate ventilation. Avoid dust formation.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Avoid product contact with skin, eyes and clothing; Do not inhale vapours or dust. Provide eye wash fountain in work area.

**Advice on protection against fire and explosion**

Keep away from sources of heat and ignition. Avoid formation of dust. Take precautionary measures against static charges.

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**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Comply with legal health and safety regulations; Keep container tightly closed in a cool, well-ventilated place. Protect from direct sunlight. Protect against wetness.

**SECTION 8: Exposure controls / personal protection****8.1 Control parameters****Occupational exposure limit(s)**

No	Substance name	CAS no.
1	aluminium oxide	1344-28-1
<b>ACGIH Threshold Limit Values</b>		
Aluminum metal and insoluble compounds		
	TWA	1 (R) mg/m <sup>3</sup>
	Skin resorption / sensibilisation	
	Remarks	A4
<b>OSHA Permissible Exposure Limits (PELS) from 29 CFR 1910.1000</b>		
alpha-Alumina		
	Total dust	
	TWA	15 mg/m <sup>3</sup>
<b>OSHA Permissible Exposure Limits (PELS) from 29 CFR 1910.1000</b>		
alpha-Alumina		
	Respirable fraction	
	TWA	5 mg/m <sup>3</sup>
2	2,2',2''-nitrilotriethanol	102-71-6
<b>ACGIH Threshold Limit Values</b>		
Triethanolamine		
	TWA	5 mg/m <sup>3</sup>

**8.2 Exposure controls****Appropriate engineering controls**

No data available.

**Individual protection measures, such as personal protective equipment****Respiratory protection**

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Eye / face protection**

Wear appropriate protective eye glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

**Hand protection**

Wear appropriate gloves to prevent skin exposure. Change gloves when torn, punctured or contaminated.

**Other protection measures**

Common chemical protective clothing (cotton), safety footwear. Selection / adaptation of protection measures according to operational / workplace related conditions.

**SECTION 9: Physical and chemical properties**

<b>Form/Color</b>
liquid
Various, depending on coloration
<b>Odor</b>
characteristic

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<b>Odor threshold</b>	
No data available	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
No data available	
<b>Melting point / melting range</b>	
No data available	
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
Value	> 93 °C
<b>Auto-ignition temperature</b>	
No data available	
<b>Oxidising properties</b>	
No data available	
<b>Explosive properties</b>	
not explosive	
<b>Flammability (solid, gas)</b>	
No data available	
<b>Lower flammability or explosive limits</b>	
No data available	
<b>Upper flammability or explosive limits</b>	
No data available	
<b>Vapor pressure</b>	
No data available	
<b>Vapor density</b>	
No data available	
<b>Evaporation rate</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
Value	1.05 g/cm <sup>3</sup>
Reference temperature	20 °C
<b>Solubility in water</b>	
Remarks	miscible
<b>Solubility(ies)</b>	
No data available	
<b>Partition coefficient: n-octanol/water</b>	
No data available	
<b>Viscosity</b>	
Value	> 20.5 mm <sup>2</sup> /s
Reference temperature	40 °C
Type	kinematic

**Other information**

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No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

This material is considered to be non-reactive under normal use conditions.

**10.2 Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3 Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4 Conditions to avoid**

None, if handled according to intended use.

**10.5 Incompatible materials**

strong oxidising agents

**10.6 Hazardous decomposition products**

In case of fire: see section 5 . None, if handled according to intended use.

**SECTION 11: Toxicological information****Information on toxicological effects****Acute oral toxicity**

No data available

**Acute dermal toxicity**

No data available

**Acute inhalational toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Reproduction toxicity**

No data available

**Carcinogenicity**

No data available

**NTP Report on Carcinogens (RoC)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed "known" (to be a human carcinogen) or "RAHC" (reasonably anticipated to be a human carcinogen).

**OSHA Standards listing cancer as a health effect (Table VII.6.2)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as carcinogenic.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

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The product contains following substance(s) classified by the IARC Monographs			
No	Substance name	CAS no.	Group
1	2,2',2''-nitrilotriethanol	102-71-6	3
<b>STOT - single exposure</b>			
No data available			
<b>STOT - repeated exposure</b>			
No data available			
<b>Aspiration hazard</b>			
No data available			

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>
No data available
<b>Toxicity to fish (chronic)</b>
No data available
<b>Toxicity to Daphnia (acute)</b>
No data available
<b>Toxicity to Daphnia (chronic)</b>
No data available
<b>Toxicity to algae (acute)</b>
No data available
<b>Toxicity to algae (chronic)</b>
No data available

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.6 Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1 Disposal considerations

**Product**

Dispose in accordance with federal, state and local regulations.

**Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in accordance with federal, state and local regulations.

## SECTION 14: Transport information

### 14.1 US DOT (Department of Transportation)

The product is not subject to DOT regulations.

### 14.2 Transport IMDG

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The product is not subject to IMDG regulations.

**14.3 Transport ICAO-TI / IATA**

The product is not subject to ICAO-TI / IATA regulations.

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not relevant

**SECTION 15: Regulatory information****15.1 US Federal Regulations****Toxic Substances Control Act (TSCA)**

According to the data available and/or specifications supplied by upstream suppliers, all components of this product are on the TSCA Inventory or are exempted from notification requirements.

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to Table 302.4 "List of Hazardous Substances and Reportable Quantities".

**Clean Air Act (CAA): Hazardous Air Pollutants (HAPS)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Air Pollutants".

**Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Substances".

**EPCRA SARA Section 313, Toxic Chemical Release Inventory**

The product contains following substance(s) that are considered being subject to "SARA Reporting".

No	Substance name	CAS no.
1	aluminium oxide	1344-28-1

**Emergency Planning & Community Right-to-Know Act (EPCRA) - Sections 302 and 304**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to reporting requirements.

**15.2 US State Regulations****Pennsylvania State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered being "Hazardous Substances".

No	Substance name	CAS no.
1	2,2',2"-nitrilotriethanol	102-71-6
2	aluminium oxide	1344-28-1

**New Jersey State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered being "Hazardous Substances".

No	Substance name	CAS no.
1	2,2',2"-nitrilotriethanol	102-71-6
2	aluminium oxide	1344-28-1

**Massachusetts State Right to Know Hazardous Substance List**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Substances".

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According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Substances".

**SECTION 16: Other information, including date of preparation or last revision****16.2 Date of preparation/revision of the SDS**

Current version	1.0.0	14.01.2020
Replaced version	1.0.0	16.09.2019

**16.3 Department issuing safety data sheet**

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg, Germany

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

**16.4 Conclusions**

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not, however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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Prod-ID 759908

**16.5 Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists  
 ATE – Acute Toxicity Estimate  
 BOD - Biochemical Oxygen Demand  
 CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania  
 CAS - Chemical Abstracts Service  
 CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
 CFR - Code of Federal Regulations (US)  
 CLP - Classification, Labelling, and Packaging  
 DOT - Department of Transportation Commission  
 ECHA – European Chemicals Agency  
 EC / EL – Effective Concentration / Effective Loading  
 EPA - Environmental Protection Agency  
 IARC - International Agency for Research on Cancer  
 IATA - International Air Transport Association  
 IBC – Intermediate Bulk Container  
 ICAO - International Civil Aviation Organization  
 IDL - Ingredient Disclosure List  
 IDLH - Immediately Dangerous to Life and Health  
 IMDG - International Maritime Dangerous Goods  
 IUCLID - International Uniform Chemical Information Database  
 Kow - Octanol/water partition coefficient  
 LD/LC - Lethal Dose/ Lethal Concentration  
 MARPOL – Marine Pollution  
 MEL - Maximum Exposure Limits  
 NFPA - National Fire Protection Agency  
 NIOSH - National Institute for Occupational Safety and Health  
 NJTSR - New Jersey Trade Secret Registry  
 NOEL/NOEC – No Observed Effect Level / No Observed Effect Concentration  
 NTP - National Toxicology Program  
 OSHA - Occupational Safety and Health Administration  
 PEL- Permissible Exposure Limit



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RCRA - Resource Conservation and Recovery Act  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short-term Exposure Limit  
STOT – Specific Target Organ Toxicity  
TDG - Transportation of Dangerous Goods  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
UN/NA - United Nations /North American  
US - United States  
VLE - Exposure Limit Value (Mexico)  
VOC – Volatile Organic Compounds