

Safety Data Sheet

MICRO NINJA 15/99

Version 2.0

Revision Date 2013.05.28

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MICRO NINJA 15/99
Product Use Description

Company : QUAL CHEM
86 MERZ BLVD
AKRON OHIO

Telephone : 1-800-616-2436

Emergency telephone : InfoTrac 1-800-535-5053
number

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Danger

Form: liquid, Colour: Color depends on dye added, Odour: Varies with fragrance added

Hazard Summary : Handle in accordance with good industrial hygiene and safety practice.

OSHA Hazards : CORROSIVE

Potential Health Effects

Primary Routes of Entry : Eyes
Skin
Ingestion
Inhalation

Skin : Causes skin burns.

Ingestion : Harmful if swallowed.

Symptoms of Overexposure : No information available.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	8.90
Decyldimethyloctylammonium chloride	32426-11-2	6.67
Didecyldimethylammonium chloride	7173-51-5	4.00
Dimethyldioctylammonium chloride	5538-94-3	2.67

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : Move to fresh air.
If breathing is irregular or stopped, administer artificial respiration.
Give oxygen.
First aider needs to protect himself.
Call a physician immediately.
- Skin contact : Take off all contaminated clothing immediately.
After contact with skin, wash immediately with plenty of soap and water.
Call a physician immediately.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Call a physician immediately.
- Ingestion : Call a physician immediately.
Clean mouth with water and drink afterwards plenty of water.
Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.

Notes to physician

- Symptoms : No information available.
- Treatment : No information available.

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SECTION 5. FIREFIGHTING MEASURES

Flammable properties

Flash point : 125.01 °F (51.67 °C)
Remarks: Does not sustain combustion according to ASTM 4206

Fire fighting

Suitable extinguishing media : Water spray
Dry powder
Foam

Further information : Use water spray to cool unopened containers.

Protective equipment and precautions for firefighters

Specific hazards during firefighting : Heating or fire can release toxic gas.
Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use respirator when performing operations involving potential exposure to vapour of the product.

Environmental precautions : Do not flush into surface water or sanitary sewer system.

Methods for containment / Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Handling

Handling : Avoid contact with skin and eyes.
Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion : Take precautionary measures against static discharges.

Storage

Requirements for storage : Keep container tightly closed and dry.

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areas and containers
Further information on storage conditions : Storage temperature: < 60°C.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
Ethanol	64-17-5	TWA	1,000.000000 ppm	2008	ACGIH
		REL	1,000.000000 ppm 1,900.000000 mg/m3	2005	NIOSH/GUIDE
		STEL	1,000 ppm	2009	ACGIH

Engineering measures

Personal protective equipment

Eye protection : Tightly fitting safety goggles

Face-shield

Hand protection : Wear suitable gloves., Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Rubber or plastic apron
Rubber or plastic boots

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hygiene measures : Wash hands before breaks and immediately after handling the product.
Avoid contact with skin, eyes and clothing.

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Remove and wash contaminated clothing and gloves,
including the inside, before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid
Colour : Color depends on dye added
Odour : Varies with fragrance added

Safety data

Flash point : 125.01 °F (51.67 °C)
Note: Does not sustain combustion according to ASTM 4206
pH : 12 - 13.5
Melting point/range : Note: not determined
Density : Note: not determined
Water solubility : Note: soluble

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: None known.
Materials to avoid : Remarks: None known.
Hazardous decomposition products : Note: Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous reactions : None known.
Note: Stable

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 Oral
Dose: > 900 mg/kg
Acute dermal toxicity : LD50
Dose: > 2,100 mg/kg
Skin irritation : Result: Corrosive

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Eye irritation : Result: Corrosive

The following toxicological data refer to:

N-Alkyl(C12-16)-N,N-dimethyl-N-benzylammonium chloride (CAS-No.: 68424-85-1)

Acute oral toxicity : LD50 rat
Dose: ca. 344 mg/kg

Acute dermal toxicity : LD50 rabbit
Dose: ca. 3,340 mg/kg

Skin irritation : rabbit
Result: Corrosive
Method: DOT
Exposure time: 24 h

Eye irritation : rabbit
Result: Corrosive
Method: DOT

Sensitisation : Buehler Test guinea pig
Classification: Did not cause sensitisation on laboratory animals.
Result: not sensitizing
Method: OECD Test Guideline 406

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

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DOT

Not dangerous goods

IATA

UN number : 2920
Description of the goods : Corrosive liquid, flammable, n.o.s.
(Dialkyldimethylammonium chloride, Ethanol)
Class : 8
Packing group : II
Labels : 8 (3)
Packing instruction (cargo aircraft) : 855
Packing instruction (passenger aircraft) : 851
Packing instruction (passenger aircraft) : Y840

IMDG-CODE

UN number : 2920
Description of the goods : CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(Dialkyldimethylammonium chloride, Ethanol)
Class : 8
Packing group : II
Labels : 8 (3)
EmS Number 1 : F-E
EmS Number 2 : S-C

RID

UN number : 2920
Description of the goods : CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(Dialkyldimethylammonium chloride, Ethanol)
Class : 8
Packing group : II
Classification Code : CF1
Hazard identification No : 83
Labels : 8 (3)

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Corrosive
TSCA Status : Product falls under research and development.
SARA 311/312 Hazards : Acute Health Hazard

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

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SARA 302 Components : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know Components : Ethanol Listed 64-17-5

Pennsylvania Right To Know Components : Ethanol Listed 64-17-5

New Jersey Right To Know Components : Ethanol Listed 64-17-5

California Prop. 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Federal regulatory information:

This product is EPA registered : EPA registration No: 6836-349

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 3
Flammability: 1
Reactivity: 0

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

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material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.