# MATERIAL SAFETY DATA SHEET CLEAN 2029 "ONE STEP"

# 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name** CLEAN 2029 "One Step"

Material type Parts Washing Fluid with Corrosion Inhibitor

Classification/synonym(s) None/None

**Product use** Removal of metalworking fluids from machine tools and parts

Manufacturer address MASTER CHEMICAL CORPORATION

501 West Boundary

Perrysburg, OH 43551-1200

419-874-7902

**Emergency telephone** 800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**OTHER COMPONENT OSHA ACGIH** LIMITS **PEL** TLV RECOM. CAS# %RANGE 102-71-6 Triethanolamine 5mg/m<sup>3</sup> 1-5 none none

The exact chemical identities and percentages of the raw materials used in CLEAN 2029 "One Step" are trade secrets. This information is being withheld as provided for in the Occupational Safety and Health Administration's Hazard Communication Rule (29 CFR 1910.1200).

#### 3. HAZARDS IDENTIFICATION

**Emergency overview** Yellow liquid

No immediate hazard

Thermal decomposition (fire) may produce oxides of carbon and nitrogen

# POTENTIAL HEALTH EFFECTS

**Acute effects of** Eye contact May cause irritation

overexposureSkin contactNonirritantSkin absorptionNontoxic

Ingestion Nontoxic Nontoxic

**Chronic effects of**None currently known

overexposure

Product/Ingredients listed as NTP Annual Report No IARC Monographs No

carcinogen or potential carcinogen? OSHA No

Signs and symptoms of exposure None

Medical conditions generally None known

aggravated by exposure

#### 4. FIRST AID MEASURES

**Emergency and first aid** 

procedures

Eyes Flush immediately with cool, clean water for at

least 15 minutes

Skin Wash with mild soap and warm water

Inhalation Move to fresh air

Ingestion If large quantities are ingested, contact a physician

In every case get medical attention as required

#### **5. FIRE FIGHTING MEASURES**

Flash point (test method) 212°F (100°C) COC Flammable limits Not determined

**Extinguishing media** As appropriate for the surrounding fire: water (flood with water),

dry chemical, CO2, or "alcohol" foam

**Special fire fighting** 

procedures

None **Unusual fire and explosion** None

hazards

## 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material

is released or spilled

Mop up or use dry absorbent

## 7. HANDLING AND STORAGE

Precautions to be taken in handling and storing

Avoid contact with eyes. Avoid prolonged or repeated skin contact with the concentrate. Wash thoroughly after handling. Do not swallow. Refer to

container labels.

Other precautions This product contains amines. Do not add nitrite or other nitrosating agents

to this product due to the potential for nitrosamine formation.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory protection** 

(Specify type)

None

Ventilation Local exhaust Not normally required

Mechanical (General) General room ventilation should be sufficient

Special None Other None

Protective gloves None

Other protective equipment Not normally required

**Eye protection** Safety glasses

**Exposure limits** None established by ACGIH or OSHA for product as whole

Refer to Section 2

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Yellow liquid Odor Mild 11.3 - 11.7 pH of concentrate (as range) Typical Operating pH (as range) 10.0 - 11.5**Boiling point (ASTM D86)** 209°F (98°C) **Freezing point** 24°F (-4°C) Solubility in water Soluble Specific gravity (H<sub>2</sub>O=1) 1.078 V.O.C. Content (EPA Method 24) 0 lb/gal **Evaporation rate (butyl acetate=1)** 0.061

#### 10. STABILITY AND REACTIVITY

Stability Stable Conditions to avoid None

**Incompatibility** Strong acids and oxidizers

(materials to avoid)

**Hazardous combustion or** Thermal decomposition (fire) may produce oxides of carbon and nitrogen

decomposition products

Hazardous polymerization Will not occur Conditions to avoid None

# 11. TOXICOLOGICAL INFORMATION

			Results	
Study	<b>Test Animal</b>	Concentrate		5% Solution
Acute inhalation toxicity	Rat			nontoxic LC <sub>50</sub> >200mg/l
Acute oral toxicity	Rat	nontoxic LD <sub>50</sub> >5000mg/kg		nontoxic
Acute dermal toxicity	Rabbit	nontoxic LD <sub>50</sub> >2000mg/kg		nontoxic
Primary skin irritation	Rabbit	nonirritant PII index=0.50		nonirritant PII index=0.00
Primary eye irritation	Rabbit	irritant		nonirritant

# 12. ECOLOGICAL INFORMATION

No data available

# 13. DISPOSAL CONSIDERATIONS

Waste disposal method Must comply with local, state, and federal regulations. If pre-treatment is needed,

chemical treatment or ultrafiltration may be used. Contact Master Chemical Tech

Line (1-800-537-3365) for assistance.

#### **14. TRANSPORT INFORMATION**

**Department of DOT Hazard Class:** None

**Transportation** CLEAN 2029 "One Step" is not classified as a hazardous material by DOT

#### 15. REGULATORY INFORMATION

**Resource Conservation and EPA Hazardous Waste Number(s):** None

**Recovery Act** CLEAN 2029 "One Step" is not classified as a hazardous waste by

EPA.

**Toxic Substances Control Act** All CLEAN 2029 "One Step" ingredients are listed on the TSCA Inventory of

Chemical Substances.

**Superfund Amendments and Reauthorization Act of 1986** 

CLEAN 2029 "One Step" does not contain any Section 302/304 Extremely Hazardous Substances or Section 313 Toxic Chemicals.

## **16. OTHER INFORMATION**

	HMIS Hazard Index	NFPA Rating	
	Concentrate		
(Health)	H = 1	H = 1	
(Fire)	F = 0	F = 0	
(Reactivity)	R = 0	$\mathbf{R} = 0$	
(Personal Protection)	PP = A (safety glasses)	Special hazards = none	
	Typical Working Solution		
	H = 1	H = 1	
	F = 0	F = 0	
	R = 0	$\mathbf{R} = 0$	
	PP = A  (safety glasses)	Special hazards = none	

**Key** 0 = minimal 1 = slight 2 = moderate 3 = serious 4 = severe

This information is intended solely for the use of individuals trained in the particular system.

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