



FORMULA 88 Cleaner & Degreaser

SECTION 1: Identification of Substance/mixture and of the manufacturer

1.1 - Product Identifier

Product Form	Liquid
Substance Name	Formula 88
CAS No.	
Product Code	N/A
Formula	N/A
Synonyms	N/A

1.2 - Relevant/Identified Uses

Use of Substance	Cleaner or degreaser
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1.3 - Supplier Details

Petruj Chemical Corporation
8055 N.W. 98 Street
Hialeah Gardens, FL 33016

1.4 Emergency Phone Number

Emergency Phone: 305-556-1271

SECTION 2: Hazard Identification

2.1 - Classification of substance or mixture

GHS-US Classification
Corrosive to metals (Category 1)
H290 Skin corrosion (Category 1B)
H314 Serious eye damage (Category 1)
H318 Specific target organ toxicity - single exposure (Category 3)

2.2 Label Elements

Hazard Pictograms



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Signal Word

DANGER

Hazard Statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary Statements

P280: Wear protective gloves/protective clothing/eye protection/face protection

P301+310: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell

P302+352: IF ON SKIN: Wash with plenty of water

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

2.3 - Other Hazards

Other Hazards None

2.4 Unknown Acute Toxicity

SECTION 3: Composition

3.1 Substances

Name	CAS#	Percentage
Sodium Metasilicate Penta	6834-92-0	Trade Secret
Ethylene Glycol Monobutyl Ether	111-76-2	Trade Secret

SECTION 4: First Aid

4.1 Description of First Aid Measures

General

Inhalation

If Inhaled: No adverse effects anticipated.

Skin Contact

If On Skin: Rinse with water for at least 15 minutes



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Eye Contact	while removing contaminated clothing.
Ingestion	If In Eyes: Immediately flush with clean water. If Ingested: DO NOT induce vomiting. Contact Physician if unwell.

4.2 Symptoms

N/A

4.3 Indication of immediate medical attention

N/A

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable Methods	Water spray, dry Powder or foam.
Unsuitable Methods	

5.2 Special Hazards

Contaminated extinguishing water must be disposed of in accordance with official regulations.

5.3 Firefighter Information

SECTION 6: Accidental Release Measures

6.1 Personal Precautions

N/A

6.2 Environmental Precautions

N/A

6.3 Methods for Cleaning-up

Small Spills:	Flush with water into containing area or to sewer where applicable within Federal, State or Local disposal requirements.
Large Spills:	Dike and pump into suitable containers, clean up residual with absorbent material and wash with water. Dispose of in accordance with Federal, State or Local disposal requirements.

6.4 Reference to other sections



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SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Wear protective goggles or face shield if splashing or spraying liquid. Protect from freezing.

7.2 Conditions for Safe Storage

Keep container tightly closed. Keep out of reach of children.

SECTION 8: Exposure Control/Personal Protection

8.1 Control Parameters

8.2 Protective Equipment



SECTION 9: Physical and Chemical Properties

9.1 Basic Physical and Chemical Properties

Form	Liquid
Color	Clear
Odor	Mild Citrus
pH	8.7-9.5
Melting Point	No Data
Freezing Point	No Data
Boiling Point	>210°F
Flash Point	>212°F (PMCC, nonflammable)
Vapor Pressure	Composite = 0.006
Density	No Data
Solubility	Complete
Viscosity	No Data

9.2 Other Information



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SECTION 10: Stability and Reactivity

10.1 Reactivity

No hazardous reactions when stored and handled according to the instructions.

10.2 Chemical Stability

The product is chemically stable.

10.3 Possibility of Hazardous Reactions

No Data.

10.4 Conditions to Avoid

No Data.

10.5 Incompatible Materials

No Data.

10.6 Hazardous Decomposition Products

No hazardous decomposition products if stored and handled as prescribed or indicated.

SECTION 11: Toxicological Information

11.1 Toxicological Effects

Acute Oral:	LD50 > 13.0g/kg
Acute Dermal:	LD50 > 5.0 g/kg
Primary Eye Irritation:	No evidence of corrosion. Effects cleared within 72 hours.
Primary Skin Irritation:	Primary Irritation Index (PII) = 2.6 based on erythema and edema. No corrosion was found

SECTION 12: Ecological Information

12.1 Toxicity

No Data.

12.2 Persistence and Degradability

No Data.

12.3 Bioaccumulative Potential

Aerobic Aquatic Biodegradation (EPA Method 796.3100).

The percentage biodegradation in 28 days was 85.8.

12.4 Mobility in Soil

No Data.

12.5 Other Adverse Effects



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SECTION 13: Disposal Considerations

13.1 Waste Treatment/Disposal

Flush uncontaminated material to sewer where applicable within Federal, State or Local disposal requirements.

SECTION 14: Transportation

14.1 DOT

USDOT

Not classified as a dangerous good under transport regulations.

14.2 IMDG

IMDG

Not classified as a dangerous good under transport regulations.

14.3 IATA

IATA

Not classified as a dangerous good under transport regulations.

SECTION 15: Regulatory Information

15.1 U.S. Regulations

TSCA

Listed

15.2 Other Regulations



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SECTION 16: Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Petruj Chemical Corp., and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.