

**MATERIAL SAFETY DATA SHEET
PH BOOSTER 3**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name pH Booster 3

Material type pH Adjuster

Classification/synonym(s) Metalworking fluid additive

Manufacturer address Coolant Control, Inc
5353 Spring Grove Ave.
Cincinnati, OH 45217

Emergency telephone 513-471-8770 **Fax number** 513-242-4488

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOM.	CAS #	%RANGE
monoethanolamine	3ppm	3ppm	none	141-43-5	1-10

The exact chemical identities and percentages of the raw materials used in PH BOOSTER 3 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 Amber liquid
No immediate hazard
Fire may produce ammonia, oxides of carbon and nitrogen. No formaldehyde release when used within operating parameters of Coolant Control, Inc coolants, i.e., pH 7.0-10.00.

POTENTIAL HEALTH EFFECTS

Acute effects of Overexposure	Eye Contact	DOT corrosive material; avoid all contact with eyes
	Skin Contact	May cause irritation, rash, dermatitis. Repeated or prolonged exposure may cause burn.
	Inhalation	No data available
	Ingestion	No data available

**Chronic effects of
overexposure** None currently known

**Product/Ingredients listed as
carcinogen or potential carcinogen?** **NTP Annual Report** No **IARC Monographs** No
OSHA No

Signs and symptoms of exposure Eye or skin irritation, rash or dermatitis

Medical conditions generally aggravated by exposure None known

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	Do not induce vomiting. Contact a physician.

In every case get medical attention as required

5. FIRE FIGHTING MEASURES

Flash point (test method)	225°F (107°C) (COC)	Flammable limits Not determined
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Extinguishing media	As appropriate for the surrounding fire: water (flood with water), dry chemical, CO ₂ or "alcohol" foam
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Special fire fighting procedures	None	Unusual fire and explosion hazards None
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6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled	Mop up or use dry absorbent
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7. HANDLING AND STORAGE

Precautions to be taken in handling and storing	Avoid contact with undiluted material. Avoid contact with nitrites or nitrosating agents. Do not store near heat or open flame.
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Other precautions	Refer to container labels.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection (Specify type)	None
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Ventilation	Local exhaust	Required
	Mechanical (General)	General room ventilation should be sufficient
	Special	None
	Other	None

Protective gloves	Impervious
Other protective equipment	Wear long sleeve shirt and trousers, have eye wash and safety shower in area
Eye protection	Chemical goggles or face shield
Exposure limits	None established by ACGIH or OSHA for product as whole Refer to Section 2

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber liquid
Odor	Amine odor
pH of concentrate	10.5
Typical Operating pH (as range)	9.0 - 10.0
Vapor pressure (mm Hg)	Not applicable
Vapor density (Air=1)	Not determined
Boiling point (at 760 mm Hg)	217°F (103°C)
Freezing point	Not applicable
Solubility in water	Soluble
Specific gravity (H₂O=1)	1.060
Percent volatile by volume	Not applicable
Evaporation rate (butyl acetate=1)	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable
Incompatibility (materials to avoid)	Strong oxidizing and reducing agents, strong acids, nitrites
Conditions to avoid	Avoid heating to decomposition
Hazardous combustion or decomposition products	Thermal decomposition (fire) may produce ammonia, oxides of carbon and nitrogen
Hazardous polymerization	Will not occur
	Conditions to avoid None

11. TOXICOLOGICAL INFORMATION

Skin Effects = Rabbit: Acute, Primary dermal irritation; 24-hour abraded skin; draize score 5.75 primary dermal irritant

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.

14. TRANSPORT INFORMATION

Department of Transportation **DOT Hazard Class:** Corrosive liquid
DOT Proper Shipping Name: Corrosive liquids, n.o.s. (1,3,5-hexahydro-1,3,5-trimethoxypropyl) triazine),8, UN1760, PG III

15. REGULATORY INFORMATION

Resource Conservation and Recovery Act **EPA Hazardous Waste Number(s):** None
PH BOOSTER 3 is not classified as a hazardous waste by EPA.

Toxic Substances Control Act All PH BOOSTER 3 ingredients are listed on the TSCA Inventory of Chemical Substances.

Superfund Amendments and Reauthorization Act of 1986 PH BOOSTER 3 does not contain any Section 302/304 Extremely Hazardous Substances or Section 313 Toxic Chemicals.

16. OTHER INFORMATION

	HMIS Hazard Index	Concentrate	NFPA RATING
(Health)	H = 3		H = 1
(Fire)	F = 1		F = 1
(Reactivity)	R = 0		R = 0
(Personal Protection)	PP = B		Special hazards = Corrosive, Class 8

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

The information herein is given in good faith and believed current as of the date of this MSDS. Because conditions of use are beyond our control, no guarantee, representation or warranty expressed or implied is made. Consult Coolant Control Incorporated for further information.

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