SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: BLUE COIL CLEANER **Product Code:** VF0160 (QT)
VF0161 (Gl)

MASTER PAINTS & CHEMICAL CORP.
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2. HAZARDS IDENTIFICATION

GHS Ratings:

Skin corrosion / irritation	1B
Skin corrosive	1A
Eye corrosive	1

GHS Hazards

H314	Causes skin burns and eye damage
H318	Causes eye damage

GHS Precautions

P233	Keep container tightly closed
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see … on this label)
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P370+P378	In case of fire: Use … for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in accordance with all local, regional, national and international regulations.

Signal Word: Danger

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Range Concentration %*
Water	7732-18-5	70.00 - 80.00
2-Butoxyethanol	111-76-2	2.00 - 3.00
Phosphoric acid	7664-38-2	10.00 - 15.00
Supplier Trade Secret 1	Inert	1.00 - 2.00

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

I**nhalation**: If user experience difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered. Obtain medical attention immediately. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most Comfortable position and keep warm.

Eye Contact: Immediately rinse thoroughly with plenty of water for at least 15 minutes, remove contact lenses if present and easy to do. Continue to flush with water, forcibly holding eyelids apart to ensure complete irrigation of the entire eye and lid tissues. Flushing the eyes with water within several seconds are essential to achieve maximum effectiveness. Seek immediate medical attention.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash off with soap and plenty of water. Consult a physician. Seek immediate medical attention.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. If vomiting occurs spontaneously, keep airway clear. Keep head low so that stomach content doesn't get into the lungs. Seek immediate medical attention.

Notes to Physician: Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flammable Limits: Non - flammable

Flash Point: No data

Suitable Extinguishing Media: Noncombustible, however, if material is involved in a fire use: Fine Water spray, normal foam, dry agent (carbon dioxide, dry chemical powder). Use water spray to keep fire-exposed containers cool.

Unusual Fire / Expl. Hazards: Releases flammable hydrogen gas when reacting with metals.

Hazard Combustible Products: Non-combustible.

Fire Fighting Instructions: Use standard firefighting procedures and consider the hazards of other

involved materials.
Fire Equipment: Wear NIOSH approved positive - pressure self-contained breathing apparatus and full protective clothing. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Spill / Leak Procedures: Follow preplanned emergency procedures. Only properly equipped, trained, functional personnel should attempt to contain a leak. All other personnel should be evacuated from the danger area. Using full protective equipment, apply appropriate emergency device or other securement technology to stop the leak if possible.
Small Spills: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: neutralize the residue with a dilute solution of sodium carbonate.
Large Spills: Evacuation of surrounding area may be necessary for large spills. Wear appropriate personal protective equipment. Completely contain spilled material with dikes, sandbags, etc. Shut off ventilation system if needed, Reprocess or reuse if possible. Neutralize with soda ash or dilute caustic soda. Collect with appropriate absorbent and place into suitable container. Keep out of sewers and water supplies, This material is acidic and may lower the pH of the surface waters with low buffering capacity.

7. HANDLING AND STORAGE

Handling Precautions: Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose the empty container according to all regulations. Do not reuse this container.
Wear appropriate personal protective equipment. Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Observe good industrial hygiene practices.
Storage Requirements: Keep container tightly closed when not in use. Store in a cool, dry place away from direct sunlight and heat to avoid container deterioration. Avoid storage at extreme high or low temperatures. Protect from freezing. Keep container properly labeled. Store in a well-ventilated place. Store in acid resistant plastic, glass containers, or rubber - lined steel containers
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8. EXPOSURE CONTROL / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Water 7732-18-5	Not Established	Not Established	Not Established
Supplier Trade Secret	Not Established	Not Established	Not Established
2-Butoxyethanol 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA

Appropriate Engineering Controls: Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. if inhalation risk exists: use with local ventilation or while wearing suitable mist respirator. keep containers closed when not in use.
Ventilation: Use closed system when possible. Provide local exhaust ventilation where vapor or mist may be generated. Ensure compliance with applicable exposure limits.
Control Parameters: No value assigned for this specific material. However, Workplace Exposure Standard(s) for constituent(s):
Hydrogen chloride; peak Limitation = 7.5 mg/m3 (5 ppm)

Peak Limitation - a maximum or peak airborne concentration of a particular substance determined over the shorts analytically practicable period of time which does not exceed 15 minutes.
These workplace Exposure Standards are guides to be used in the control of occupational health hazards. all atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standard should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. they are not a measure of relative toxicity.
Eye Protection: Safety glasses with side shields. wearing chemical goggles with a face shield is recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn. Provide an emergency eyewash station or quick drench shower in the immediate work area.
Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Glove Type Recommended: Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with products.
Other Protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. discard any clothing or other protective equipment that cannot Be decontaminated, such as gloves or shoes.
Work / Hygienic / Maintenance Practices: A source of clean water should be available in the work area for flushing of eyes and skin.
Wash hands thoroughly after use and before eating, drinking, or smoking. Do not eat, drink, or smoke in the area. Discard any clothing or other protective equipment that cannot be decontaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Ligh Blue liquid
Odor	Not information available
Odor Threshold	Not established
pH	8 to 9
Melting Point	Not available
Boiling Point & Boiling Range	(100)ºC / (212ºF)
Flash point	Not information available
Evaporation rate (water = 1)	1
Upper / Lower Flammability or Explosive Limits	NA
Relative Density (Specific Gravity	1.027+/- .02 @ 25ºC (77 ºF)
Vapor pressure	No information available
Vapor Density	No information available
Relative Density (Specific Gravity	1.027 +/- .020 @ 25ºC (77 ºF)
Solubility in Water	100%

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None under normal processing.

Materials to avoid: Avoid contact with materials such as sulfides and sulfites that could release toxic gases. Avoid strong alkalies because high heat of reaction can generate steam. Avoid most metals because phosphoric acid can react to liberate hydrogen, a flammable gas.

Hazardous decomposition products: Avoid contact with materials such as sulfides and sulfites that could release toxic gases. Avoid strong alkalis because high heat of reaction can generate steam. Avoid most metals because phosphoric acid can react to liberate hydrogen, a flammable gas.
Further information: Stable under normal conditions of use and storage.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LD50: 4,156mg/kg
Dermal Toxicity LD50: 3,577mg/kg

Component Toxicity

144-62-7	Oxalic acid Oral LD50: 375 mg/kg (Rat)
111-76-2	2-Butoxyethanol Oral LD50: 470 mg/kg (Rat) Dermal LD50: 99 mg/kg (Rabbit) Inhalation LC50: 450 ppm (Rat)
7664-38-2	Phosphoric acid: LD50(rat, Oral): 1530 mg/Kg: LD50 (rabbit, dermal) 2740 mg/Kg

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:
Ingestion: Swallowing can result in nausea, vomiting, diarrhea, abdominal pain and chemical burns to the gastrointestinal tract.
Eye Contact: a severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
Skin contact: Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.
Inhalation: Breathing in mists or aerosols will produce respiratory irritation

12. ECOLOGICAL INFORMATION

Use closed systems when possible. Provide local exhaust ventilation where vapor or mist may be generated.

Avoid discharge into drains, water courses or onto the ground.
General Ecologycal Information: No data available

Component Ecotoxicity

2-Butoxyethanol	96 Hr LC50 Lepomis macrochirus: 1490 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 2950 mg/L 48 Hr EC50 Daphnia magna: >1000 mg/L

13. DISPOSAL CONSIDERATIONS

Disposal methods: Collect and reclaim or dispose in sealed containers at a properly licensed waste disposal site.

This material, if not neutralized, must be disposed of as hazardous waste. Do not allow this material to drain into Sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national or international regulations.

14. TRANSPORT INFORMATION

	DOT Classification	**IMDG/ IMO Classification**
UN Number	UN 1760	UN 1760
Proper shipping name	Corrosive Liquid, (Phosphoric Acid Solution),	Corrosive Liquid, (Phosphoric Acid Solution),
Transport hazard class	8	8
Packaging group *	PG III	PG III
Additional information	NA	Special Provision US DOT ERG # 154 EMS F-A,S-B

* Less that 5 liters is Limited Quantity

15. REGULATORY INFORMATION

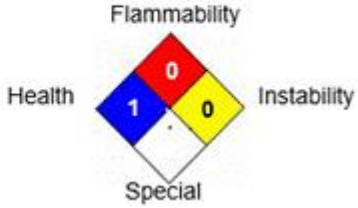
OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:
The Occupational Safety and Health Administration requires Safety Data Sheets to provide any hazards that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain additional health hazard information not pertinent to consumer use.
US TSCA INVENTORY STATUS All chemicals used in this product are either listed on or exempt from the TSCA Inventory.
CANADA DSL STATUS All chemicals used in this product are either listed or exempt.
SARA 302 COMPONENTS No chemicals used in this product are reportable under SARA Title III, Section 302.
SARA 311/312 HAZARDOUS CHEMICALS
Acute Health Hazard Yes
Chronic Health Hazard No

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision:

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