



SAFETY DATA SHEET (SDS)

Compliant with OSHA Hazard Communication Standard as defined in 29 CFR 1910.1200.
Prepared to UN-GHS Revision 3.

Revised on 3 March 2014

1) PRODUCT AND COMPANY INFORMATION

Product identifier:

Trade name: 394 Stainless Steel Cleaner (Aerosol)

Product Description: Stainless Steel Finisher

Emergency telephone number:

Please call CHEMTEL

US: 800-255-3924

International: +1-813-248-0585

Manufacturer/Supplier:

DYNAFLUX, INC.

241 Brown Farm Rd,
Cartersville, GA 30120

Phone: 770-382-8843

Fax: 770-382-9034



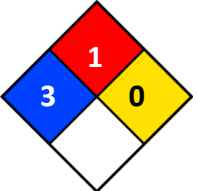
Toll-free: 800-334-4420

www.dynaflux.com

info@dynaflux.com

2) HAZARD IDENTIFICATION




▪ Hazard classifications of the chemical

 <p>DANGER</p> <p><i>Skin corrosion, category 1B</i> <u>Causes severe skin burns and eye damage</u></p> <p>Do not breathe spray or mists. Wash hands thoroughly after handling. Wear protective eye and skin protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If exposed and concerned, immediately call a doctor. Store locked up. Dispose of container to recyclables when completely empty.</p>	 <p>WARNING</p> <p><i>Gas under pressure, dissolved</i> <u>Contains gas under pressure; may explode if heated</u></p> <p>Protect from sunlight. Store in a well-ventilated place.</p>	<p>NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme (Scale 0-4)</p> <p>NFPA:</p>  <p>HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0</p> <p>HMIS:</p> <table border="1" data-bbox="1068 1276 1429 1390"> <tbody> <tr> <td>HEALTH</td> <td>3</td> </tr> <tr> <td>FIRE</td> <td>1</td> </tr> <tr> <td>REACTIVITY</td> <td>0</td> </tr> </tbody> </table>	HEALTH	3	FIRE	1	REACTIVITY	0
HEALTH	3							
FIRE	1							
REACTIVITY	0							

KEEP OUT OF REACH OF CHILDREN

3) Composition/Information on Ingredients

- **Dangerous components of the mixture***

Chemical name:	Identifier:	Concentration:
Propylene Glycol 	CAS: 57-55-6	10-30%
Potassium Hydroxide 	CAS: 1310-58-3	1-5%
Nitrogen 	CAS: 93037-13-9	0.1-1%

*Mixture contains additional chemicals that are not considered hazardous and are not included on SDS

4) FIRST-AID MEASURES

- **GENERAL ADVICE:** Have SDS or product label if medical advice is needed. Seek a medical professional or doctor if you feel unwell or if irritation(s) persist. Call a poison control center or doctor if exposed and are concerned.
- **IF SWALLOWED:** Rinse mouth. Do **NOT** induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center immediately.
- **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.
- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do—continue rinsing.
- **IF ON SKIN:** Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

5) FIRE-FIGHTING MEASURES

- **EXTINGUISHING METHODS:** Dry chemical, sand, or carbon dioxide after spray has stopped.
- **IF EXTINGUISHING METHODS ARE UNAVAILABLE:** Cool container with water if exposed to heat or flame, move container away from fire area if this can be done without further risk.
- **FIRE HAZARDS:** Contains gas under pressure, pressurized container: May explode if ignited or exposed to heat.
- **SUGGESTED EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:** No special measures are required.

6) ACCIDENTAL RELEASE MEASURES

- **IF ACCIDENTALLY RELEASED OR SPILLED:** Remove or eliminate all sources of ignition. Establish ventilation to keep atmospheric concentrations below limits. Avoid breathing vapors. Wear protective equipment. Keep unprotected persons away.
- **NEUTRALIZING CHEMICAL:** Absorb into clay-like absorbent material.
- **WASTE DISPOSAL METHOD:** Dispose of in accordance with state, local, and federal regulations. Prevent material from entering waterways or sewage. Container may be recycled if completely emptied.

7) HANDLING AND STORAGE

- **CONDITIONS FOR SAFE HANDLING:** Wear protective equipment. Follow instructions found on label.
- **CONDITIONS FOR SAFE STORAGE:** Do not expose to temperatures above 50°C/122°F. Store in a well-ventilated place. Protect from sunlight. Keep away from heat and other sources of ignition. Keep away from oxidizing agents.

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

Chemical name:	Identifier:	PEL:	ACGIH:	NIOSH:
Propylene Glycol	CAS: 57-55-6	N/A	N/A	N/A
Potassium Hydroxide	CAS: 1310-58-3	N/A	2mg/m ³	2mg/m ³
Nitrogen	CAS: 93037-13-9	N/A	N/A	N/A

- **VENTILATION REQUIREMENTS:** Good mechanical ventilation may be adequate for maintaining airborne concentrations below established exposure limits for large uncontrolled releases.
- **IF EXPOSURE LIMITS ARE EXCEEDED AND INHALED:** Use a NIOSH approved respirator.



Handle material with gloves and protective clothing. Inspect gloves prior to use. Use proper glove removal techniques so that no skin comes into contact with the outside of the glove. Gloves must be chemically resistant (such as rubber).



Use NIOSH/OSHA or EN 166 approved eye protection



Practice good industrial hygiene. Wash hands before breaks and at the end of the workday. Keep material away from foodstuffs, beverages, and feed. Wash and launder all contaminated clothing.

9) PHYSICAL AND CHEMICAL PROPERTIES

- **APPEARANCE:** Yellowish liquid
- **ODOR:** Caustic
- **ODOR THRESHOLD:** Not determined or not applicable
- **pH:** >10
- **VAPOR PRESSURE:** Not determined or not applicable
- **DENSITY:** 0.8-1.0
- **SOLUBILITY:** soluble in water
- **MELTING/FREEZING POINT:** Not determined or not applicable
- **BOILING POINT:** Not determined or not applicable
- **FLAMMABLE EXPLOSIVE LIMITS (% volume in air):** Not determined or not applicable
- **FLASH POINT (TCC closed cup):** Not determined or not applicable

- **FLAME EXTENSION** : Does not extend flame
- **FLAMMABILITY**: not-flammable
- **AUTO-IGNITION TEMPERATURE**: Does not auto-ignite
- **DECOMPOSITION TEMPERATURE**: Not determined or not applicable
- **EVAPORATION RATE**: Not determined or not applicable
- **VISCOSITY**: Not determined or not applicable
- **VOLATILES BY VOLUME**: Not determined or not applicable

10) STABILITY AND REACTIVITY

- **CHEMICAL STABILITY**: Stable under normal conditions
- **HAZARDOUS POLYMERIZATION**: Cannot occur
- **INCOMPATIBLE MATERIALS**: Strong oxidizing agents
- **HAZARDOUS DECOMPOSITION PRODUCTS**: Carbon dioxide and carbon monoxide and other combustion products are possible
- **CONDITIONS TO AVOID**: Heat, sparks, open flames, ignition sources, and sunlight.

11) TOXICOLOGICAL INFORMATION

- **Most likely routes of exposure**: inhalation, ingestion, skin and eye contact
- **Symptoms are more likely to increase the longer the exposure to the chemical**
- **Symptoms may include (but are not limited to)**:
Irritation of eyes, skin, respiratory system; cough, sneezing; eye, skin burns; vomiting; diarrhea; sore throat; labored breathing, shortness of breath; pulmonary edema, pneumonitis; redness, pain, blisters; blurred vision, blindness; sores in nose, perforated septum; INGES ACUTE:
Corrosive, burning sensation; epigastric or abdominal pain; hematemesis; shock or collapse
- The following mixture components are found on the National Toxicology Program Report: No components listed on National Toxicology Program Report
- The following mixture components are found on the International Agency for Research on Cancer Monograph list: No components listed on International Agency for Research on Cancer Monograph list

12) ECOLOGICAL INFORMATION

- **TOXICITY TO AQUATIC LIFE**: Not considered toxic to aquatic life
Do not expose to open waterways or dispose of product through drains or sewage
- **MOBILITY IN SOIL**: not determined or not applicable
- **PERSISTENCE AND DEGRADABILITY**: not determined or not applicable
- **BIOACCUMULATIVE POTENTIAL**: not determined or not applicable
- **PBT and vPvB ASSESSMENT**: not determined or not applicable

13) DISPOSAL CONSIDERATIONS

- Please refer to section 8 for proper personal equipment for use when disposing of container
- Please refer to local, state, and national regulations for proper disposal methods
- Offer surplus and non-recyclables to a licensed disposal company.
- Product, when completely emptied, may be recycled if allowed by local ordinances
- Empty product completely before placed in trash or introduced to a landfill as the product may still burst if heated or damaged

14) TRANSPORT INFORMATION

- **UN IDENTIFICATION NUMBER:** UN 1950
- **UN SHIPPING NAME:** Aerosol
- **TRANSPORT HAZARD CLASS:** 8
- **DEPARTMENT OF TRANSPORTATION SHIPPING NAME:** Consumer Commodity
- **DEPARTMENT OF TRANSPORTATION HAZARD CLASS:**
ORM-D (Until 2020) or
Limited Quantity
- **SHIPPING LABEL:** Corrosive, Limited Quantity



- **ENVIRONMENTAL HAZARDS:** Not toxic to environment
- **INTERNATIONAL BULK CHEMICAL CODE:** Not determined or not applicable
- **SPECIAL SHIPPING PRECAUTIONS:** Ship container up-right without excessive load on top

15) REGULATORY INFORMATION

- This product is for industrial/institutional use only and is not to be used by general consumers
- The product is regulated by the OSH Act which is found in 29 CFR 1910.1200 of the United States code
- **SARA 302 COMPONENTS:** No components of mixture are subject to reporting
- **SARA 313 COMPONENTS:** No components of mixture are subject to reporting
- **MASSACHUSETTS RIGHT TO KNOW COMPONENTS:** Potassium Hydroxide (CAS: 1310-58-3)
- **PENNSYLVANIA RIGHT TO KNOW COMPONENTS:** Potassium Hydroxide (CAS: 1310-58-3), Propylene Glycol (CAS: 57-55-6)
- **NEW JERSEY RIGHT TO KNOW COMPONENTS:** Potassium Hydroxide (CAS: 1310-58-3), Propylene Glycol (CAS: 57-55-6)
- **CALIFORNIA PROP 65 COMPONENTS:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm

16) OTHER INFORMATION

- This SDS was completed using the most up to date information available at the time of its completion; however, no representation, warranty, or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself/herself as to the suitability and completeness of such information for his or her particular use. We do not accept any liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement. The SDS does not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- Abbreviations and acronyms used: ACGIH: American Conference of Governmental Industrial Hygienists. CAS: Chemical Abstracts Service. CFR: Code of Federal Regulations. GHS: Globally Harmonized System. HMIS: Hazardous Materials Identification System. NFPA: National Fire Protection Association. NOISH: National Institute for Occupational Safety and Health. OSHA: Occupational Safety and Health Administration. PEL: Permissible Exposure Limit. SARA: Superfund Amendments and Reauthorization Act (regulation by the EPA). UN: United Nations.