




SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2651	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	DOMINATOR	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Concentrated Aggressive Alkaline Cleaner	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Skin corrosion/irritation: Category 1 Serious eye damage/eye irritation: Category 1 Corrosive to metals: Category 1	SIGNAL WORD: DANGER	SYMBOL:	
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HAZARD STATEMENTS:

Causes severe skin burns and eye damage.
May be corrosive to metals.

PRECAUTIONARY STATEMENTS:

Prevention:

Do not breathe dust/fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep only in original container.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
Absorb spillage to prevent material damage.

Storage:

Store locked up.
Store in corrosive resistant container with a resistant inner liner.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Water	7732-18-5	60-100
Ethylene Glycol Monobutyl Ether	111-76-2	3-7
Sodium Metasilicate	6834-92-0	1-5
Potassium Hydroxide	1310-58-3	1-5
Alcohols, C9-11 Ethoxylated	68439-46-3	1-5
Sodium Xylene Sulfonate	1300-72-7	1-5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

SKIN: Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.

INHALATION:

Remove to fresh air. Seek immediate medical attention/advice.

INGESTION:

Rinse mouth. Do not induce vomiting. Drink plenty of water. Seek medical advice.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Exposed individuals may experience eye tearing, redness and discomfort. Contact may cause irritation and redness.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Notes to Physician: Treat symptomatically.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Water spray (fog). Carbon dioxide (CO₂). Dry chemical. Foam.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Not determined.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

None known.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Use personal protection recommended in Section 8.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment.

METHODS & MATERIALS FOR CONTAINMENT & CLEAN-UP:

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleanup: Collect in a clean, dry waste container for disposal. Dispose of in accordance with federal, state and local regulations.

Use a water rinse for final clean up.

7. Handling and Storage

SAFE HANDLING:

Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice.

SAFE STORAGE & INCOMPATIBILITIES:

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Protect from freezing.

Incompatible Materials: Acids.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³
Sodium Metasilicate 6834-92-0	2 mg/m ³	2 mg/m ³	-
Potassium Hydroxide 1310-58-3	Ceiling: 2 mg/m ³	(vacated) Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Splash goggles or safety glasses.

Skin Protection: Chemical resistant protective gloves.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

APPROPRIATE ENGINEERING CONTROLS:

General ventilation sufficient.

9. Physical & Chemical Properties

Appearance:	Clear.	Flammability(solid/gas):	n/a - liquid.
Physical State:	Liquid.	Flammability Limit-lower (%):	Not determined.
Color:	Red.	Flammability Limit-upper (%):	Not determined.
Odor:	Characteristic.	Explosive Properties:	Not determined.
Odor Threshold:	Not determined.	Oxidizing Properties:	Not determined.
pH:	13.0-13.5	Vapor Density:	Not determined.
Melting/Freezing Point:	~ 0°C / ~32°F	Vapor Pressure:	Not determined.
Boiling Point/Range:	101°C / 214°F	Solubility (water):	Completely soluble @25°C (77°F).
Viscosity (kinematic/dynamic):	Not determined.	Auto-Ignition Temp:	Not determined.
Flash Point:	Not applicable.	Decomposition Temp:	Not determined.
Specific Gravity:	1.02	Partition Coeff(n-octanol/water):	Not determined.
Evaporation Rate:	Not determined.		

10. Stability & Reactivity Information

REACTIVITY:

Not reactive under normal conditions.

CHEMICAL STABILITY:

Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal processing.

INCOMPATIBLE MATERIALS:

Acids.

CONDITIONS TO AVOID:

Keep out of reach of children. Keep from freezing.

HAZARDOUS DECOMPOSITION PRODUCTS:

When exposed to fire, produces normal products of combustion.

11. Toxicological Information**PRIMARY ROUTE OF ENTRY:****Eyes:** Causes severe eye damage.**Skin:** Causes severe skin burns.**Inhalation:** Avoid breathing vapors or mists.**Ingestion:** Do not taste or swallow.**COMPONENT INFORMATION:**

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Ethylene Glycol Monobutyl Ether - 111-76-2	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h
Sodium Metasilicate - 6834-92-0	= 600 mg/kg (Rat)	-	-
Potassium Hydroxide - 1310-58-3	= 214 mg/kg (Rat)	-	-
Alcohols, C9-11 Ethoxylated - 68439-46-3	= 1378 mg/kg (Rat)	>2 g/kg (Rabbit)	-

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

Please see Section 4 of this SDS for symptoms.

DELAYED & IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT & LONG-TERM EXPOSURE:

Carcinogenicity: Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Monobutyl Ether - 111-76-2	A3	Group 3		

Legend:**ACGIH (American Conference of Governmental Industrial Hygienists):** A3 - Animal Carcinogen**IARC (International Agency for Research on Cancer):** Group 3 IARC components are "not classifiable as human carcinogens"**NUMERICAL MEASURES OF TOXICITY:**

Not determined.

12. Ecological Information**ECOTOXICITY:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Ethylene Glycol Monobutyl Ether - 111-76-2	-	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	-	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
Sodium Metasilicate - 6834-92-0	-	210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50	-	216: 96 h Daphnia magna mg/L EC50
Potassium Hydroxide - 1310-58-3	-	80: 96h Gambusia affinis mg/L LC50 static	-	-

PERSISTENCE AND DEGRADABILITY:

Not determined.

BIOACCUMULATIVE POTENTIAL:

Not determined.

MOBILITY IN SOIL:

Chemical Name	Partition Coefficient
Ethylene Glycol Monobutyl Ether - 111-76-2	0.81
Potassium Hydroxide - 1310-58-3	0.83

OTHER ADVERSE EFFECTS:

Not determined.

13. Disposal Consideration**DISPOSAL INSTRUCTIONS:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

CONTAMINATED PACKAGING:

Disposal should be in accordance with applicable regional, national and local laws and regulations.

CALIFORNIA HAZARDOUS WASTE STATUS:

Chemical Name	California Hazardous Waste Status
Potassium Hydroxide - 1310-58-3	Toxic, Corrosive

14. Transportation Information

DOT: **UN Number:** UN3266
UN Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, NOS(Containing Potassium Hydroxide)
Transport Hazard Class(es):
Class: 8
Packing Group: II

15. Regulatory Information**INTERNATIONAL INVENTORIES:**

Not determined.

US FEDERAL REGULATIONS:**CERCLA:** This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Potassium Hydroxide - 1310-58-3	1,000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

SARA 311/312 Hazardous Categories: Acute Health Hazard: Yes.**SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No	Weight - %	SARA 313 - Threshold Values %
Ethylene Glycol Monobutyl Ether	111-76-2	3-7	1.0

US STATE REGULATIONS:**CWA (Clean Water Act):** This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium Hydroxide - 1310-58-3	1,000 lb			X

US STATE RIGHT-TO-KNOW REGULATIONS:

Chemical Name	State List
Ethylene Glycol Monobutyl Ether - 111-76-2	MA, NJ, PA
Potassium Hydroxide - 1310-58-3	MA, NJ, PA
AZ - Arizona Ambient Air Quality Guidelines	IL - Illinois Toxic Air Contaminant - Carcinogenic
CT - Connecticut Hazardous Air Pollutants	MA - Massachusetts Right to Know List
CA - California Director's List of Hazardous Substances	MN - Minnesota Hazardous Substances List
CAP65 - California Prop 65	NJ - New Jersey Right to Know List
FL - Florida Substances List	PA - Pennsylvania Right to Know List
ID - Idaho Non-Carcinogen Toxic Air Pollutants	RI - Rhode Island Hazardous Substances List

16. Other Information**N/A = Not Applicable; N/D = Not Determined**

HMIS	Health Hazards: 3	Flammability: 0	Physical hazards: 0	Personal protection: Not determined.
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DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.