



1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: **DOUBLE EAGLE**
Product Number: JAR-030
Recommended use of the chemical and restrictions on use
Reommended use For industrial use
Brand: Front 9 Restoration
Company Front 9 Restoration
20616 N Cave Creek Rd. Ste. 112-D
Phoenix, AZ 85024
Telephone: 1-855-803-1133
Fax:
Emergency Phone # 1-800-633-8235 (PERS)

2. HAZARD IDENTIFICATION

Appearance Blue liquid
Physical State Liquid
Odor Mild

Classification

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Signal word **Danger**

Hazard Statement(s)

Causes sever skin burns and eye damage



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/eye protection/face protection

Precautionary Statements - 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
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 person to fresh air and keep comfortable for breathing Immediately call a POISON CENTER or doctor
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula: HCl

Chemical Name	CAS No.	Weight - %
Glycol Ether EB	11-76-2	5-10
Sodium metasilicate	6834-92-0	1-5
Nonylphenol Ethoxylate	127087-87-0	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

- General Advice** Provide this SDS to medical personnel for treatment.
- Eye Contact** 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.
- Skin Contact** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a poison center or doctor/physician.
- Inhalation** 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.
- Ingestion** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- Most important symptoms and effects**
- Symptoms** Causes severe skin burns and eye damage
- Indication of any immediate medical attention and special treatment needed**
- Notes to Physician** Treat symptomatically

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
- Unsuitable Extinguishing Media**
Not determined
- Specific Hazards Arising from the Chemical**
Not determined
- Special protective equipment for fire-fighters**
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, protective equipment and emergency procedures

- Personal precautions** Use personal protective equipment as required
- Environmental precautions** See Section 12 for additional Ecological Information.
- Methods and Materials for containment and cleaning up**
- Methods for Containment** Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up** Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice.
Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection.

Conditions for safe storage, including any incompatibilities

- Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.
- Incompatible Materials** None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycol Ether EB 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m3 (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m3 (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m3
Sodium metasilicate 6834-92-0	2 mg/m3	2 mg/m3	-

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and body protection Wear appropriate clothing to prevent repeated or prolonged skin contact. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respirator protection Refer to 29 CFR 1910.134 for respiratory protection requirements.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Blue liquid
Color	Blue
Odor	Mild
odor Threshold	Not determined

Property	Values	Remarks - Method
pH	<12.2	
Melting point	Not determined	
Boiling point	Not determined	
Flash point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limits in Air		
Upper explosion limit	Not determined	
Lower explosion limit	Not determined	
Vapor pressure	Not determined	
Vapor Density	Not determined	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinetic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

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.

Conditions to avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact Causes severe eye damage

Skin Contact Causes severe skin burns.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
GlycolEtherEB 111-76-2	=470mg/kg (Rat)	=99mg/kg (Rabbit)	=450ppm (Rat)4h =486ppm (Rat) 4 h
Sodium metasilicate 6834-92-0	= 1153 mg/kg (Rat)	-	-
Nonylphenol Ethoxylate 127087-87-0	= 1310 mg/kg (Rat)	-	-

Information on physicia, chemical and toxicological effects

Symptoms Please see section 4 of the SDS for symptoms

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Group 3 IARC components are "not classifiable as human carcinogens".

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

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

ARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 4,386.00 mg/kg

ATEmix (dermal) 13,989.00 mg/kg

ATEmix (inhalation-dust/mist) 14.79 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment

Component Information

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Glycol Ether EB 111-76-2		2950: 96 h Lepomis macrochirus mg/L LC50 1490: 96 h Lepomis macrochirus mg/L LC50 static	1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 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

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined.

Other Adverse Effects

Not determined.

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal Of Wastes**

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

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION**International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Glycol Ether EB	X	X	X	Present	X	Present	X	X
Sodium metasilicate	X	X	X	Present	X	Present	X	X
Nonylphenol Ethoxylate	X	X	X	Present	X	Present	X	X

Legend:**TSCA***United States Toxic Substances Control Act Section 8(b) Inventory***DSL/NDSL***Canadian Domestic Substances List/Non-Domestic Substances List***EINECS/ELINCS***European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances***ENCS***Japan Existing and New Chemical Substances***IECSC***China Inventory of Existing Chemical Substances*

KECL *Korean Existing and Evaluated Chemical Substances*
PICCS *Philippines Inventory of Chemicals and Chemical Substances*
AICS *Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

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 %
Glycol Ether EB - 111-76-2	111-76-2	10-May	1

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

U.S State Right-to-Know Regulations

Chemical Name	New Jersey	Maachusetts	Pennsylvania
Glycol Ether EB 111-76-2	X	X	X

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Insatbility	Speacial Hazards
	Not Determined	Not Determined	Not Determined	Not Determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	Not Determined	Not Determined	Not Determined	Not Determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Front 9 Restoration, INC., and its product(s) manufacturers shall not be held liable for any damage resulting from handling, contact with, or application of the above product.

END OF SAFETY DATA SHEET