PMS Products, Inc

SAFETY DATA SHEET

PMS – 891 – Blade & Bit **Date: 10/02/2024**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Blade & Bit

Other Means of Identification

Product Code 891

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Blade and Bit maintenance.
Uses Advised Against For industrial and institutional use only.

Details of the Supplier of the Safety Data Sheet

Manufactured for Address PMS Products, Inc.
76 Veterans Dr. #110
Holland, MI 49423

Emergency Telephone Number

Company Phone Number 800-962-1732
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 1 Sub-category B	
Serious Eye Damage/Eye Irritation	Category 1	

Signal Word **DANGER**

Hazard Statements
Causes severe skin burns and eye damage
Harmful if swallowed

Appearance: Pale yellow liquid **Physical State:** Liquid **Odor:** Mild

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Do not taste or swallow

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/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If irritation develops or persists, seek medical attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation develops or persists, seek medical attention.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Diethylene glycol monobutyl ether	112-34-5	0 - 15
Glycol Ether DPM	34590-94-8	0 - 15
Isopropyl alcohol	67-63-0	0 - 5
Potassium hydroxide	1310-58-3	0 - 5

4. FIRST AID MEASURES

First Aid Measures

General Advice — Provide this SDS to medical personnel for treatment.

Inhalation — Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek immediate medical attention/advice.

Eye Contact — Flush material out immediately with large amounts of water for at least 15 minutes, holding eye lids apart to insure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. Get medical attention immediately.

Ingestion — Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Drink 1-2 glasses of water. If vomiting occurs spontaneously, keep airway clear. Get medical attention immediately.

Skin Contact — Immediately remove contaminated clothing and flush affected areas with plenty of water for at least 15 minutes. Wash contaminated clothing before reuse. If irritation develops or persists, seek medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms — If in eyes may cause redness and burning. Prolonged skin contact may cause redness and dryness.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Carbon dioxide, dry chemical, water fog, foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
None known.

Protective Equipment and Precautions 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, Protective Equipment and Emergency Procedures

Personal Precautions Wear protective clothing as required.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth).

Methods for Cleaning Up Sweep up and shovel into suitable 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. Wear appropriate personal protective equipment. Wash face, hands, and any exposed skin thoroughly after handling. Avoid contact with skin, eyes or clothing.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Storage temperature should be between 50°F - 120°F. Keep locked up and out of reach of children.

Incompatible Materials Strong oxidizing agents. Acids. Metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Potassium hydroxide 1310-58-3	2 mg/m^3	2 mg/m^3	2 mg/m^3	
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm	-	

Appropriate Engineering Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Provide eye wash and safety shower.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear approved safety goggles.

Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory Protection No special equipment needed.

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	Pale yellow liquid	**Odor**	Mild
Color	Pale yellow	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	13 - 14	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	Not determined	
Flash Point	>180° F	
Evaporation Rate	1	(butyl acetate = 1)
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.01	
Water Solubility	Completely soluble	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Auto ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic 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.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid
Excessive heat or cold. Contamination of any kind.

Incompatible Materials
Strong oxidizing agents. Acids. Metals.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation May cause irritation to the mucous membranes and upper respiratory tract.

Eye Contact Causes serious eye damage.

Skin Contact Causes serious skin irritation.

Ingestion Causes severe gastrointestinal irritation.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50	
Diethylene glycol monobutyl ether 112-34-5	2410 mg/kg (Mouse)	2764 mg/kg (Rabbit)	>2.1 mg/l (Rat) 4 h	
Potassium hydroxide 1310-58-3	365 mg/kg (Rat)	-	-	
Isopropyl alcohol 67-63-0	5050 mg/kg (Rat)	12800 mg/kg (Rabbit)		

Information on Physical, Chemical and Toxicological Effects

Symptoms If in eyes may cause redness and burning. Prolonged skin contact may cause redness and dryness. Do not taste or swallow.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity No components of this product have been identified as carcinogens or potential carcinogens by ACGIH, IARC, NTP or OSHA.

Numerical Measures of Toxicity
Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	
Isopropyl alcohol 67-63-0		LC50: Fish 9640 mg/l 96 h		EC50: Crustacean 1400 mg/l 48 h	
Potassium Hydroxide 1310-58-3	EC50: Selenastrum Capricornutum 61 mg/l 96 h	LC50: Fathead Minnow 179 mg/l 96 h		EC50: Daphnia Magna 60 mg/l 48 h	

Persistence and 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	Do not reuse container. Triple rinse empty container with water. Plastic containers may be offered for recycling.

14. TRANSPORT INFORMATION

Note Shipping descriptions may vary based on mode transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation. US Ground Transportation: LTD. QTY

DOT

UN/ID No	UN 1760
Proper Shipping Name	Corrosive Liquid (potassium hydroxide solution)
Hazard Class	8
Packing Group	III
Special Provisions	B2, IB2, T7, TP2

IATA

UN/ID No	UN 1760
Proper Shipping Name	Corrosive Liquid (potassium hydroxide solution)
Hazard Class	8
Packing Group	III
Special Provisions	B2, IB2, T7, TP2

IMDG

UN/ID No	UN 1760
Proper Shipping Name	Corrosive Liquid (potassium hydroxide solution)
Hazard Class	8
Packing Group	III
Special Provisions	B2, IB2, T7, TP2

15. REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	Listed
NDSL	Listed

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*

US Federal Regulations

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %	
Isopropyl alcohol	67-63-0	<5	1.0	

CERCLA

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

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	
Diethylene glycol monobutyl ether 112-34-5	X		X	
Potassium hydroxide 1310-58-3	X	X	X	
Isopropyl alcohol 67-63-0	X	X	X	

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	2	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	2	2	0	B

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.

End of Safety Data Sheet