

Issuing Date 29-Mar-2012

Revision Date 21-Dec-2016

Revision Number 1

Full Disclosure Statement - The information and recommendations contained herein are based upon information believed to be reliable. However, Dayton Lamina, Inc. does not guarantee their accuracy or completeness NOR SHALL ANY OF THE INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to confirm to actual conditions of usage may be required. Dayton Lamina, Inc. assumes NO responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of this data. No warranty from infringement of any patent, copyright or trademark is made or implied.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Lamina Ball Scrubb

Recommended use of the chemical and restrictions on use

Recommended Use Industrial Strength Cleaner, rust inhibitor and lubricant for ball bearing assemblies

Details of the supplier of the safety data sheet

Supplier Anchor Lamina Americas
Address 3650 South Derenzy Road,
 Bellaire, MI 49615

Manufacturer Anchor Lamina Americas
Address 3650 South Derenzy Road,
 Bellaire, MI 49615

Emergency Telephone Number

Company Phone Number 231-533-8646

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 5
Skin corrosion/irritation	Category 2
Skin Sensitizer	Category 1B
Eye Irritant	Category 2B
Specific Target Organ, CNS	Category 4
Aspiration Hazard	Category 2
Acute Dermal Toxicity	Category 5
Acute inhalation toxicity	Category 5
Hazardous to the aquatic environment	Category 2

Label Elements

EMERGENCY OVERVIEW

WARNING

Hazard statements

H320: Causes eye irritation	H333: May be harmful if inhaled
H336: May cause drowsiness or dizziness	H401: Toxic to aquatic life
H315: Causes skin irritation	H302: Harmful if swallowed



Physical State Liquid
Odor pungent

Precautionary Statements - Prevention

- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing.
- Wear protective gloves and eye protection when using this product.
- Wash hands and exposed skin thoroughly after use.
- Take off contaminated clothing and wash before reuse
- Keep container lid tightly closed
- Avoid breathing vapor and mist
- Use only in a well-ventilated area
- If swallowed, immediately call a poison control center or physician-do not induce vomiting
- Call a poison control center or physician if you experience irritation or feel unwell during and after using this product.
- Toxic to aquatic life. Avoid release to the environment

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Chemical Name	CAS-No.	Weight %
De-ionized Water	7732-18-5	80-81%
Isopropanol	67-63-0	<3%
Naphthenic distillates	64742-53-6/64742-52-5	<2%
Distilled Tall Oil	8002-26-4	<2%
Pine Oil	8002-09-3	<2%
Sulfonic Acids, Petroleum, Sodium Salts	68608-26-4	<2%
Tall Oil Acids, Sodium Salts	61790-45-2	<1%
Triazinetrethanol	4719-04-4	<1%
Triethanolamine	102-71-6	<1%
Hexylene glycol	107-41-5	<1%
Propylene Glycol monobutyl ether	9003-13-8	<1%
Non-Ionic Surfactant	127087-87-0	<1%
Nitrilotriacetic acid trisodium salt	5064-31-3	<1%
Potassium Hydroxide	1310-58-3.	<1%
Dinonylnaphthalenesulfonic acid & amine	25322-17-2	<1%
Detergents, dye, sequestrant, surfactants, preservatives, and fragrance		<0.1%

4. FIRST AID MEASURES

FIRST AID MEASURES

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs, get medical advice/attention

Skin contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation or rash occurs, consult a physician

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory irritation, dizziness, nausea or unconsciousness occurs call poison

control

Ingestion IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If conscious give large quantities of water

Most important symptoms and effects, both acute and delayed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use extinguishing measures appropriate to local circumstances and surrounding materials.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

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 Ensure adequate ventilation.

Environmental precautions

Environmental precautions Prevent release to surface water.

Methods and material for containment and cleaning up

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	CAS-No.	Exposure limits	
		OSHA PEL	ACGIH TLV
Isopropanol	67-63-0	400 PPM 8-HR TWA	200PPM 8-hr TWA 400 PPM 15-MIN STEL

Naphthenic distillates	64742-53-6/64742-52-5	5mg/m3 8-hr TWA (mist)	5mg/m3 8-hr TWA (mist)
Triethanolamine	102-71-6		5mg/m3 8-hr TWA (mist)
Hexylene glycol	107-41-5		25 ppm ceiling
Nitilotriacetic acid trisodium salt	5064-31-3	15mg/m3 8-hr TWA (dust)	10 mg/m3 8-jhr TWA (inhalable particulate)
Potassium Hydroxide	1310-58-3.		2mg/m3 Ceiling

Exposure Guidelines**Appropriate engineering controls****Engineering Measures**

Safety Shower
Eyewash station
Ventilation system.

Individual protection measures, such as personal protective equipment**Eye/face Protection**

Safety glasses with side-shields.

Hygiene Measures

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	Odor	Slightly pungent
Appearance	Medium Blue		
Color	-		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8.69	-
Melting point/freezing point		
Boiling point/boiling range	95 C (203 F)	
Flash Point	98 C (208 F)	Open Cup
Evaporation Rate		
Flammability (solid, gas)		
Flammability Limits in Air		
Upper flammability limits		
Lower Flammability Limit		
Vapor pressure		
Vapor Density		
Specific Gravity	-	
Water Solubility	Nearly Complete	
Solubility in other solvents		
Partition coefficient		
Autoignition Temperature		
Decomposition temperature		
Kinematic viscosity		
Dynamic viscosity		

Other Information

Volume Resistivity (Static Accumulation)	1.48 X 10 ³ at 50% relative humidity	Ability to accumulate static charge is low
---	---	--

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	Reacts with oxidizing agents
<u>Chemical stability</u>	Material is stable under normal conditions
<u>Possibility of Hazardous Reactions</u>	
<u>Hazardous Reactions</u>	Hazardous polymerization will not occur
<u>Conditions to Avoid</u>	Excessive heat, flames, and sparks.
<u>Incompatible materials</u>	Incompatible with oxidizing agents, acids, reducing agents
<u>Hazardous Decomposition Products</u>	
	Carbon dioxide, carbon monoxide, oxides of sulfur, oxides of nitrogen, acidic smoke.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on published data for similar substances.
Inhalation	Expected to be low
Eye contact	Expected to be low to moderate.
Skin contact	Expected to be moderate.
Ingestion	There is no data available for this product.

Information on toxicological effects

Symptoms	No information available.
-----------------	---------------------------

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

Chemical Name	CAS-No.	Carcinogenic Listing				Other
		IARC	NTP	OSHA	ACGIH	
Isopropanol	67-63-0	Group 3	340 PPM 8-HR TWA	200 PPM 8-HR TWA	200 PPM 15-MIN STEL	Isopropanol 40
Triethanolamine	102-71-6	Group 3				

Exposure Guidelines

<u>Numerical measures of toxicity-Product Information</u>	Not determined
--	----------------

12. ECOLOGICAL INFORMATION

<u>Ecotoxicity</u>	This mixture contains a chemical that is toxic to fish and other aquatic wildlife
<u>Persistence and degradability</u>	
	Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Please consult your local or regional authorities

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated
TDG Not regulated
MEX Not regulated
ICAO Not regulated
IATA Not regulated
IMDG / IMO Not regulated
RID Not regulated
ADR Not regulated
ADN Not regulated

15. REGULATORY INFORMATION

International Inventories: Product not 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 Commercial Chemical Substances/EU 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

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations,

SARA 311/312 Hazard Categories

Acute health hazard No
Chronic Health Hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

Chemical Name	CAS-No.	Listing				
		EPCRA 302	EPCRA 304	CERCLA 100	SARA 313 400 PPM 8-HR TWA	RCRA 200 PPM 8-hr TWA 400 PPM 15-MIN STEL
Potassium Hydroxide	1310-58-3.					

16. OTHER INFORMATION

NFPA	Health Hazard	2	Flammability	1	Instability	0	Physical and Chemical
HMIS	Health Hazard	2	Flammability	1	Physical hazards	0	Personal Precautions
Issuing Date		29 Mar 2012					
Revision Date		21-Dec-2016					

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 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 MSDS