



SAFETY DATA SHEET

BOOSTER STAIN REMOVER™

Revised Date: 11-17-2015

Supersedes: 10-10-2000

1. Identification

Product identifier	Booster Stain Remover™	
Other means of identification		
SDS number	05	
Synonyms	17200	
Recommended use	Not available.	
Recommended restrictions	Not available.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer/Supplier	Daly's Wood Finishing Products 4522 S 133 rd Street Tukwila , WA 98168	
General Assistance	(206) 244-8844, toll free: (800) 727-9694	
E-Mail	Not available.	
Contact Person	Not available.	
Emergency Telephone	Chemtrec (800)424-9300	

2. Hazard(s) Identification

Physical hazards	Not classified	
Health hazards	Skin corrosion/irritation	Category 1B
	Serious eye damage/eye irritation	Category 1

Label elements



Signal word	Danger
Hazard statement	Causes severe skin burns and serious eye damage.
Precautionary statement	
Prevention	Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water/or [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/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	Store locked up.



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Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

3. Composition/information on ingredients

Mixtures

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Sodium metasilicate	6834-92-0	7
Sodium carbonate	497-19-8	
Sodium tripolyphosphate	7758-29-4	
Sodium hydroxide	1310-73-2	3

4. First-aid measures

Inhalation

Move individual to fresh air. If breathing has stopped, apply artificial respiration. Get medical attention immediately.

Skin contact

Remove contaminated clothing. Wash with soap and water. If irritation persists, seek medical attention.

Eye contact

Wash with clean water with at least fifteen minutes; get medical attention.

Ingestion

DO NOT INDUCE VOMITING. Give water or milk to drink; get medical attention. Do not give baking soda or acid antidotes.

Most important symptoms/effects, acute and delayed

May cause redness, irritation of eye. Inhalation of mist or vapors may cause chemical burns. Ingestion may cause chemical burns. When comes in contact with skin may cause redness, irritation and dermatitis. Pre-existing skin conditions could be aggravated by repeated exposure.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. In case of shortness of breath, give oxygen. Keep victim warm.

General information

If exposed or concerned: get medical attention/advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.



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5. Fire-fighting measures

Suitable extinguishing media

The product is non flammable.

Unsuitable extinguishing media

None known.

Specific hazards arising from the chemical

None known.

Special protective equipment and Special firefighting procedures

Wear protective clothing and self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental Precautions Methods and materials for containment and cleaning up

Avoid discharge into drains, water courses or onto the ground. Provide ventilation. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Stop the flow of material, if this is without risk. Soak up spill with absorbent material. Rags and absorbent material should be immersed in water. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling

Read and observe all precautions on label. Use only with adequate ventilation. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage

KEEP OUT OF REACH OF CHILDREN. Store locked up. Store in original container; keep tightly closed and appropriately labeled. Do not reuse container for other purposes.

Incompatible materials

May react with chlorinated hydrocarbons organic acids, or metals such as aluminum, tin, lead and zinc.



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8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Sodium hydroxide	PEL(TWA)	2 mg/m ³
2-butoxyethanol	PEL(TWA)	50 ppm (240 mg/m ³)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Sodium hydroxide	TWA	2 mg/m ³
2-butoxyethanol	TWA	50 ppm (240 mg/m ³)

US. OSHA Table Z-2 (29 CFR 1910.1000)

None of the components in this product is listed.

US. OSHA Table Z-3 (29 CFR 1910.1000)

None of the components in this product is listed.

US. ACGIH Threshold Limit Values

Components	Type	Value
Sodium hydroxide	TLV(Ceiling)	2 mg/m ³
2-butoxyethanol	TLV (TWA)	20ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Sodium hydroxide	REL (Ceiling)	2 mg/m ³
2-butoxyethanol	REL(TWA)	5 ppm (24 mg/m ³) [skin]

Appropriate engineering controls

Provide adequate general and local exhaust ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Individual protection measures, such as personal protective equipment

Eye/face protection

Goggles or face shield.

Skin protection

Hand protection

Rubber or plastic if repeated contact is likely.

Other

Wear impervious protective clothing. Eyewash station should be available.

Respiratory protection

None normally needed.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Keep work area clean and free from spills and leaks.



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Wash hands before breaks and immediately after handling the product. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance	Slightly cloudy, water-white liquid.
Physical state	Liquid.
Form	Liquid.
Color	Water-White.
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Initial boiling point and boiling range	212 °F
Flash point	Not available.
% Volatile by Volume	96 %
Evaporation rate (BuOAc=1)	As water.
Maximum Volatile Organic Compound (V.O.C.)	None.
Flammability (solid, liquid, gas)	Non flammable.
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not available.
Flammability limit – upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure (mm Hg)	As water.
Vapor density (Air=1)	As water.
Relative density (Specific gravity)	0.96
Solubility(ies)	
Solubility (water)	Completely soluble in water, alcohol.
Solubility (other)	Insoluble in most petroleum solvents.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical stability	Stable under recommended handling and storage conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.



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Conditions to avoid	None known.
Incompatible materials	May react with chlorinated hydrocarbons organic acids, or metals such as aluminum, tin, lead and zinc.
Hazardous decomposition Products	None known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	May cause chemical burns.
Inhalation	Mist or vapors may cause chemical burns.
Skin contact	May cause redness, irritation and dermatitis.
Eye contact	May cause redness and irritation.

Symptoms related to the physical, chemical and toxicological characteristics May cause redness, irritation of eye. Inhalation of mist or vapors may cause may cause chemical burns. Ingestion may cause chemical burns. When comes in contact with skin may cause redness and irritation. Long term over-exposure can result in dermatitis. Pre-existing skin conditions could be aggravated by repeated exposure.

Delayed and immediate effects and also chronic effects from short- and long-term exposure Long term over-exposure can result in dermatitis.

Numerical measures of toxicity

Components	Test	Species	Test Results
Sodium metasilicate (CAS 6834-92-0)	Oral LD ₅₀	Rat	1153 mg/kg
Sodium carbonate (CAS 497-19-8)	Oral LD ₅₀	Rat	2800 mg/kg
	Dermal LD ₅₀	Rabbit	>2000 mg/kg
	Inhalation LC ₅₀	Rat	1.15 mg/l, 4h
Sodium tri-polyphosphate (CAS 7758-29-4)	Oral LD ₅₀	Rat	>2000 mg/kg
	Dermal LD ₅₀	Rabbit	>4640 mg/kg
	Inhalation LC ₅₀	Rat	0.39 mg/l, 4h
Sodium hydroxide (CAS 1310-73-2)	Oral LD ₅₀	Rat	140-340 mg/kg
	Dermal LD ₅₀	Rabbit	1350 mg/kg
2-butoxyethanol (CAS 111-76-2)	Oral LD ₅₀	Rat	470 mg/kg
	Dermal LD ₅₀	Rabbit	400 mg/kg
	Inhalation LC ₅₀	Rat	2.17 mg/l, 4h

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization No data available.

Skin sensitization No data available.

Germ cell mutagenicity No data available.



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Carcinogenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	No data available.

12. Ecological information

Numerical measures of toxicity

Components	Test	Species	Test Results
Sodium metasilicate (CAS 6834-92-0)	Fish LC ₅₀	Zebra fish (<i>Danio rerio</i>)	210 mg/l, 96h
	Crustacea EC ₅₀	Water flea (<i>Ceriodaphnia dubia</i>)	33.53 mg/l, 48h
	Algae EC ₅₀	Algae	27.7 mg/l, 72h
Sodium tri-polyphosphate (CAS 7758-29-4)	Fish LC ₅₀	Zebra fish (<i>Danio rerio</i>)	69.2 mg/l, 96h
	Fish LC ₅₀	Rainbow trout (<i>Oncorhynchus mykiss</i>)	45.4 mg/l, 96h
Sodium hydroxide (CAS 1310-73-2)	Crustacea EC ₅₀	Water flea (<i>Ceriodaphnia dubia</i>)	40 mg/l, 48h
	Fish LC ₅₀	Rainbow trout (<i>Oncorhynchus mykiss</i>)	1474 mg/l, 96h
2-butoxyethanol (CAS 111-76-2)	Crustacea EC ₅₀	Water flea (<i>Daphnia magna</i>)	1550 mg/l, 48h
	Algae EC ₅₀	Green algae (<i>Pseudokirchnerella subcapitata</i>)	911 mg/l, 72h

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility in soil	No information available.
Other adverse effects	No information available.

13. Disposal considerations

Disposal instructions	Dispose in accordance with all applicable federal, state and local regulations. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container; dispose of this material and its container in a safe way.
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Contaminated packaging


Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not reuse container for other purposes.

14. Transport information

DOT

UN number	UN 1760
UN proper shipping name	CORROSIVE LIQUID, N.O.S (SODIUM METASILICATE, SODIUM HYDROXIDE)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8 - Corrosive
	
Packing group	II
Environmental hazards	
Marine pollutant	No
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	UN 1760
UN proper shipping name	Corrosive liquid, n.o.s (Sodium metasilicate, Sodium hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8 - Corrosive
	
Packing group	II
Environmental hazards	No
ERG Code	8L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.



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IMDG

UN number	UN 1760
UN proper shipping name	CORROSIVE LIQUID, N.O.S (SODIUM METASILICATE, SODIUM HYDROXIDE)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8 - Corrosive



Packing group	II
Environmental hazards	
Marine pollutant	No
EmS	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None of the chemicals in this product is listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Sodium hydroxide (CAS 1310-73-2) Listed

2-butoxyethanol (CAS 111-76-2) Listed

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium hydroxide (CAS 1310-73-2) Listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard	-	Yes
	Delayed Hazard	-	No
	Fire Hazard	-	No
	Pressure Hazard	-	No
	Reactivity Hazard	-	No

SARA 302/304 Extremely hazardous substance

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SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

None of the chemicals in this product is listed.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

None of the chemicals in this product is listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None of the chemicals in this product is listed.

Safe Drinking Water Act (SDWA)

None of the chemicals in this product is listed.

US State regulations

US. New Jersey Worker and Community Right-to-Know Act

Sodium hydroxide (CAS 1310-73-2)

2-butoxyethanol (CAS 111-76-2)

US. Pennsylvania Worker and Community Right-to-Know Law

Sodium hydroxide (CAS 1310-73-2)

Sodium tripolyphosphate (CAS 7758-29-4)

2-butoxyethanol (CAS 111-76-2)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT):

None of the chemicals in this product is listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non- Domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	10-10-2000
Revision date	11-17-2015
Version #	01



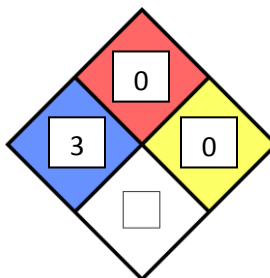
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NFPA rating



References

ACGIH: Documentation of the Threshold Limit Values and Biological Exposure indices
ECHA: European Chemicals Agency
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
NIOSH: The National Institute for Occupational Safety and Health
NTP: National Toxicology Program
NLM: Hazardous Substances Data Base
OECD : Organization for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration

Disclaimer

The information, recommendations, and suggestions presented in this SDS are based upon test results and data believed to be reliable. The end user of the product has the responsibility for evaluating the adequacy of the data under the conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. No guarantee expressed or implied is made as to the effects of such use, the results to be obtained, or the safety and toxicity of the product in any specific application. Furthermore, the information herein is not represented as absolutely complete, since it is not practicable to provide all the scientific and study information in the format of this document, plus additional information may be necessary under exceptional conditions of use, or because of applicable laws or government regulations. All materials may present unknown hazards and should be used with caution.