

SAFETY DATA SHEET



Issue Date 14-Feb-2011

Revision Date 3-Mar-2018

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Peel Away Deck Cleaner

Other Means of Identification

SDS # DCI-001

UN/ID No UN1791

Synonyms Deck Cleaner
Multi-Purpose Cleaner

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Multi-purpose cleaner.

Details of the Supplier of the Safety Data Sheet

Supplier Address

Dumond Chemicals, Inc.
1475 Phoenixville Rd. Suite 18
West Chester, Pa 19380

Emergency Telephone Number

Company Phone Number 1-609-655-7700

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 C
Serious eye damage/eye irritation	Category 1

Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage



Appearance Pale yellow to greenish liquid

Physical State Liquid

Odor Chlorine

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

Precautionary Statements - Response

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
 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

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Very toxic to aquatic life with long lasting effects
 Very toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Deck Cleaner
 Multi-Purpose Cleaner.

Chemical Name	CAS No	Weight-%
Sodium hypochlorite	7681-52-9	5-10
Sodium metasilicate	6834-92-0	1-5

4. FIRST AID MEASURES

First Aid Measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.

Ingestion Rinse mouth. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention if necessary.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Wash with soap and water. Get medical attention if necessary.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms Exposed individuals may experience eye tearing, redness and discomfort. May cause irritation, redness and pain. May cause irritation to the mucous membranes and upper respiratory tract.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Cool fire exposed containers and structures with water.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Sodium hypochlorite releases oxygen when heated, which may increase the intensity of an existing fire.

Hazardous combustion products Carbon oxides. Silicone oxides. Silicic acid. Chlorine gas.

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 appropriate protective clothing and equipment to prevent contact.

Environmental Precautions Do not allow into any sewer, on the ground or into any body of water.

Methods and Material for Containment and Cleaning Up

Methods for Containment Contain and recover liquid where possible. Collect using an inert absorbent material and place in appropriate containers for disposal. DO NOT use combustible materials such as sawdust.

Methods for Cleaning Up Keep in suitable, closed containers for disposal. Spills and releases may have to be reported to Federal and/or local authorities. See section 15.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Use only with adequate ventilation. Keep containers closed when not in use. Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store away from heat and incompatible materials. Protect container from physical damage.

Incompatible Materials Ammonia. Amines. Ammonium salts. aziridine. Methanol. Phenyl acetonitrile. Ethyleneimine. Reducing agent. Acids. Caustic. Fluorine. Organic materials. Bisulfates.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium metasilicate 6834-92-0	2 mg/m ³	2 mg/m ³	-

Appropriate Engineering Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Eyewash stations. Showers.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear approved safety goggles.

Skin and Body Protection Rubber, neoprene, or other impervious gloves are recommended to prevent skin contact. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection None needed under normal use conditions with adequate ventilation. If the occupational exposure limits are exceeded, a NIOSH approved respirator with acid gas cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

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	Odor	Chlorine
Appearance	Pale yellow to greenish liquid	Odor threshold	Not determined
Color	Pale yellow to green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	10	
Melting point/freezing point	Not available	
Boiling point/boiling range	> 93 °C / >200 °F	
Flash point	Non-flammable	
Evaporation rate	Same as water	
Flammability (solid, gas)	Not determined	
Flammability limits in air		
Upper flammability limits	Not applicable	
Lower flammability limit	Not applicable	
Vapor pressure	Not available	
Vapor density	Not available	
Specific gravity	1.1-1.2	
Water solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition coefficient	Not available	
Autoignition temperature	Not established	

Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not determined
Oxidizing Properties	Not determined

Other Information

VOC Content (%)	0%
VOC Content	0 lbs/gal

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

Chemical Stability

Stable under normal conditions. Slowly decomposes on contact with air. Decomposition rate increases with temperature, concentration, and exposure to sunlight.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Contact with copper, zinc, and aluminum may release flammable hydrogen gas.

Incompatible Materials

Ammonia. Amines. Ammonium salts. aziridine. Methanol. Phenyl acetonitrile. Ethyleneimine. Reducing agent. Acids. Caustic. Fluorine. Organic materials. Bisulfates.

Hazardous Decomposition Products

Thermal decomposition may produce carbon and silicone oxides, silicic acid, and chlorine gas. Reacts with acids to produce chlorine gas and oxygen. Reaction with ammonia evolves toxic chloramine gas.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure**Product Information**

Inhalation	Avoid breathing vapors or mists.
Eye Contact	Causes severe eye damage.
Skin Contact	Causes severe skin burns.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite 7681-52-9	= 8200 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-
Sodium metasilicate 6834-92-0	= 600 mg/kg (Rat)	-	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Exposed individuals may experience eye tearing, redness, and discomfort. May cause irritation, redness and pain. May cause irritation to the mucous membranes and upper respiratory tract.

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
Sodium hypochlorite 7681-52-9		Group 3		

Numerical Measures of Toxicity- Product

Not determined

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

ATEmix (oral) 5263 mg/kg
ATEmix (dermal) 142857 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium hypochlorite 7681-52-9	0.095: 24 h Skeletonema costatum mg/L EC50	0.06 - 0.11: 96 h Pimephales promelas mg/L LC50 flow-through 4.5 - 7.6: 96 h Pimephales promelas mg/L LC50 static 0.4 - 0.8: 96 h Lepomis macrochirus mg/L LC50 static 0.28 - 1: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.05 - 0.771: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.03 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.18 - 0.22: 96 h Oncorhynchus mykiss mg/L LC50 static		2.1: 96 h Daphnia magna mg/L EC50 0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static
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 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	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Based on package size, product may be eligible for limited quantity exception

DOT

UN/ID No	UN1791
Proper Shipping Name	Hypochlorite solutions
Hazard Class	8
Packing Group	III

IATA

UN/ID No	UN1791
Proper Shipping Name	Hypochlorite solutions
Hazard Class	8
Packing Group	III

IMDG

UN/ID No	UN1791
Proper Shipping Name	Hypochlorite solutions
Hazard Class	8
Packing Group	III

15. REGULATORY INFORMATION

International Inventories

TSCA Listed
DSL 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 311/312 Hazard Categories

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

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite 7681-52-9	100 lb			X
Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ		Reportable Quantity (RQ)
Sodium hypochlorite 7681-52-9	100 lb			RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hypochlorite 7681-52-9	X	X	X

U.S. EPA Label Information

16. OTHER INFORMATION

NFPA**Health Hazards****Flammability****Instability****Special Hazards**

1

0

0

Not determined

HMIS**Health Hazards****Flammability****Physical Hazards****Personal Protection**

Not determined

Not determined

Not determined

Not determined

Issue Date

14-Feb-2011

Revision Date

3-Mar-2018

Revision Note

New format

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