MATERIAL SAFETY DATA SHEET
CLEAN Multi Purpose Cleaner

SECTION 1 IDENTIFICATION

Product Name: DECK CLEANER Multi Purpose Cleaner

Manufacturer:
DUMOND CHEMICALS, INC
104 Interchange Plaza, Ste. 202
Monroe Township, NJ 08831
(609) 655-7700

MSDS Date of Preparation: 02/14/11
EMERGENCY PHONE: (800) 457-4280

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Causes severe eye irritation. May cause skin irritation. Inhalation of mists or vapors may cause mucous membrane and respiratory irritation.

SECTION 3: PRODUCT COMPONENTS

INGREDIENTS	CAS#.	WT.%
Sodium Hypochlorite	7681-52-9	5-10
Sodium Metasilicate	6834-92-0	1-5
Non-hazardous Ingredients	NA	Balance

SECTION 4 EMERGENCY and FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get immediate medical attention.
SKIN CONTACT: Immediately flush skin with plenty of water for 15 minutes while removing contaminated clothing and shoes. Wash skin with soap and water. Get medical attention. Launder clothing before re-use.
INHALATION: Immediately remove victim to fresh air. If breathing is difficult have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Get immediate medical attention**.**
INGESTION: Do not induce vomiting. If conscious, rinse mouth with water and then give 8 ounces of water to dilute. Never give anything by mouth to a person who is unconscious or convulsing. Get attention.

SECTION 5 FIRE and EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: Use any media appropriate for surrounding fire. Cool fire exposed containers and structures with water.
SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Sodium hypochlorite releases oxygen when heated, which may increase the intensity of an existing fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate protective clothing and equipment to prevent contact. 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. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities.

SECTION 7 HANDLING and STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container tightly closed. Store in a cool, dry, well ventilated area away from heat and incompatible materials. Protect from physical damage.

Avoid contact with the eyes, skin and clothing. Avoid breathing vapors or mists. Do not swallow. Use with adequate ventilation. Wear protective clothing when handling. Remove and launder contaminated clothing before re-use. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

OTHER PRECAUTIONS: Empty containers retain product residues. Follow all MSDS precautions in handling empty containers.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

INGREDIENTS	**EXPOSURE LIMITS**
Sodium Hypochlorite	1 ppm OSHA PEL-Ceiling (as Chlorine) 0.5 ppm TWA ACGIH TLV (as Chlorine 1 ppm ACGIH TLV STEL (as Chlorine) 2 mg/m3 AIHA WEEL (15 minute)
Sodium Metasilicate	5 mg/m^3 TWA OSHA PEL
Non-hazardous Ingredients	None Established

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. For firefighting, use self-contained breathing apparatus.

VENTILATION: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.
GLOVES: Rubber, neoprene or other impervious gloves are recommended to prevent skin contact.
PROTECTIVE CLOTHING: Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible**.**
EYE PROTECTION: Wear safety glasses or goggles to prevent eye contact.
OTHER PROTECTIVE EQUIPMENT: Washing facilities should be available.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE AND ODOR: This product is a pale yellow to greenish liquid with a chlorine odor.

BOILING POINT: >200° F
MELTING POINT: Not available
SPECIFIC GRAVITY (H2O=1): 1.1 – 1.2
VOLATILE: Not available
VAPOR PRESSURE: Not available
pH: 12
VAPOR DENSITY (AIR=1): Not available
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: Same as water
COEFFICIENT OF WATER/OIL: Not available
FLASH POINT: Non-flammable
AUTOIGNITION TEMPERATURE: Not established
FLAMMABLE LIMITS: (vol % in air) LEL: Not applicable UEL: Not applicable

SECTION 10 STABILITY and REACTIVITY

STABILITY: This material is stable. Slowly decomposes on contact with air. Decomposition rate increases with temperature, concentration and exposure to sunlight.
CONDITIONS TO AVOID: Contact with copper, zinc and aluminum may release flammable hydrogen gas.
INCOMPATIBILITY: Avoid contact with ammonia, amines, ammonium salts, aziridine, methanol, phenyl acetonitrile, ethyleneimine, oxidizable materials, acids, caustics, reducing agents, fluorine, organics, and 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.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Not applicable.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

INHALATION: Inhalation of vapors or mists may cause irritation of the nose throat and upper respiratory tract.

SKIN CONTACT: May cause irritation. If the exposed area is not wash, burns or tissue destruction may occur.

EYE CONTACT: May cause severe irritation with pain and tearing. Corneal damage is possible. Severe exposures may cause blindness.

INGESTION: Ingestion may cause irritation and possible damage of the mucous membranes, esophagus and stomach. May cause vomiting and diarrhea.

CHRONIC EFFECTS OF OVEREXPOSURE: None currently known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with chronic eye, skin and respiratory disorders may be at increased risk from exposure to this material.

TOXICOLOGY DATA:

Sodium Hypochlorite: LD50 Oral rat 8910 mg/kg.
Sodium Metasilicate: Oral rat LD50 - 1153 mg/kg

None of the components of this product is listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH or OSHA.

None of the components are known to cause sensitization in animals or humans.

Sodium Metasilicate has been found to cause adverse reproductive effects and birth defects in laboratory animals.

SECTION 12: ECOLOGICAL INFORMATION

No ecotoxicity data is available.

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

For Containers not over 5 liters (1.3 gallons): Consumer Commodity, ORMD
For Container 5 liters (1.3 gallons) or greater:
DOT SHIPPING NAME: Hypochlorite Solution
DOT HAZARD CLASSIFICATION: Corrosive
DOT LABELS REQUIRED (49CFR172.101): 8, PG III
UN NUMBER: UN1791

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Irritant

EPA SARA 311 HAZARD CLASSIFICATION: Acute health

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:
None

CERCLA Hazardous Substances (Section 103)/RQ: This product has a Reportable Quantity (RQ) of 1,000 lbs. based on the RQ for Sodium Hypochlorite of 100 lbs. Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product contains the following chemical which is known to the State of California to cause developmental toxicity (birth defects): None

WHMIS CLASSIFICATION: Class E (Corrosive)

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 1 Fire: 0 Reactivity: 0

Revision History: New MSDS