

Material Safety Data Sheet*
May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements

Identity (as used on Label & List)

WASHING SODA

U.S. Department of Labor
Occupational Safety & Health
Administration

(Non-Mandatory Form)

OBM no. 1218-0072

Note: Blank Spaces are not

Permitted. If any item is not
applicable the space must be marked
to indicate that.

SECTION I

Distributor's Name & Address:

Duraclean International
220 Campus Drive
Arlington Heights, IL 60004
847-704-7100

Date Prepared: January 23, 1997

Emergency Telephone Number:

Infotrac: 1-800-535-5053 (U.S.)
1-352-323-3500 (INT'L)

Signature of Preparer:

Henry Hakewill, Jr.

*based upon information provided by
manufacturer.

SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components:

Specific Chemical Identity:	Common Names:	CAS No.	OSHA PEL	ACGIH TLV
Sodium Carbonate, anhydrous	Soda Ash	497-19-8	10mg/m ³	15 mg/m ³

SECTION III - Physical / Chemical Characteristics

pH (1% water Solution) 11.3
pH (10% water solution) 11.6

Specific Gravity (H₂O=1) 2.532
Bulk Density: 48-65 lbs/ft³
Melting Point (°F) 1564
Decomposition Point (°F) 752

Solubility in Water (@ 32 °F): 7g/100g water

Appearance and Odor: White granular solid. Odorless

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):

NONCOMBUSTIBLE

Flammable Limits

N/A

LEL UEL

Extinguishing Media:

NONCOMBUSTIBLE

Special Fire fighting procedures: Wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff and contamination of water sources.

Unusual Fire & Explosion Hazards: None, but does decompose at high temperature releasing carbon dioxide.

SECTION V - REACTIVITY DATA

Stability: STABLE

Conditions to avoid: Protect from moisture. Mixing a solution of Washing Soda with acid may result in carbon dioxide evolution and severe splattering.

Incompatibility (Materials to avoid): Strong acids, aluminum, iron, lithium and 2,4,6 - trinitrotoluene. Washing Soda upon contact with certain food products containing reducing sugars, may react to form carbon monoxide gas.

Hazardous Decomposition or Byproducts: Carbon dioxide is evolved at high temperatures (1832 °F) or when mixed with acids.

Hazardous Polymerization: Will not occur.

Conditions to avoid: n/a

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SECTION VI - HEALTH HAZARD DATA

Routes of Entry: EYES? YES INHALATION? YES SKIN? YES INGESTION? YES

Health Hazards (Acute and Chronic): Acute eye and skin irritation upon limited exposure and more severe irritation upon repeated or prolonged exposure that may result in chronic skin sensitivity. Concentrated solutions in contact with eyes and skin may cause chemical burns. Inhalation of product particulates or solution mist may irritate nose, throat and respiratory tract. Swallowing may cause burns of mouth, throat, esophagus and stomach. If large quantity is ingested, it may cause nausea, vomiting and diarrhea.

Carcinogenicity: NPT? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

Product does not contain any ingredient designated by the above agencies as a probable human carcinogen.

Signs & Symptoms of Exposure: Redness and burning of eyes. Redness and swelling of skin. Nose and/or throat irritation. Nausea and/or vomiting.

Medical Conditions Generally Aggravated by Exposure: Skin irritation in persons with existing skin lesions. Chronic asthma other chronic pulmonary disease upon breathing Washing Soda dust.

Emergency and First Aid Procedures:

EYES: flush with water for 15 minutes. Lift upper and lower lids and rinse well under them. GET MEDICAL ATTENTION; preferably an ophthalmologist.

SKIN: remove contaminated clothing and shoes and clean thoroughly before reuse. Wash affected skin with soap and water. If irritation persists, get medical attention.

INHALATION: remove to fresh air. If not breathing administer cardiopulmonary resuscitation or artificial respiration. GET MEDICAL ATTENTION.

INGESTION: give two or more glasses of water or milk to drink. DO NOT INDUCE VOMITING. If it occurs, give fluids again. GET IMMEDIATE MEDICAL ATTENTION.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material is Released or Spilled: Avoid Dust Generation in cleaning up spilled product solids using shovels, brooms or vacuum. Place recovered material in drum(s) equipped with tightly fitted covers. Flush any small residue from floor with large amount of water

Waste Disposal Method: Dispose of sealed drums of recovered product in an approved waste management facility in accordance with Local, State and Federal regulations.

Precautions to be taken in Handling and Storing: Do not ingest. Minimize dust generation and avoid inhaling any that occurs. Take care to prevent product contact with eyes or skin. Store product in a cool, dry, well ventilated area away from flammable materials and sources of heat or flame.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): In dusty conditions, use a NIOSH/MSHA approved dust mask. Where higher level of protection is required, use positive pressure supplied air or self-contained breathing apparatus.

Ventilation Local Exhaust: Natural cross-ventilation is adequate for normal usage.

Mechanical (General): When working in a confined area or under dusty conditions, the use of an

exhaust fan is necessary.

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SECTION VIII - CONTROL MEASURES CONTINUED

Protective Gloves: None required for normal usage. For emergency situations wear work clothing, chemical resistant gloves and boots.

Eye Protection: None required for normal usage. When pouring or transferring product wear chemical safety goggles.

Other Protective Clothing or Equipment: Maintain a sink, safety shower and eyewash fountain in work area. Have oxygen readily available.

Work/Hygienic Practices: After working with product, wash hands thoroughly prior to eating, smoking or using the restroom. KEEP OUT OF REACH OF CHILDREN.

Product is classified as non-hazardous for shipping via surface, ocean or air so is not regulated in regard to special packaging or labeling requirements.

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All terms and abbreviations have been defined in various government publications, or are standard chemical terms used by IUPAC.

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