

MATERIAL SAFETY DATA SHEET

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HAZARD RATINGS (0=Least, 1=Slight, 2=Moderate, 3=High, 4=Severe)

HEALTH = 2
FIRE = 0
REACTIVITY = 1
EQUIPMENT = E

SECTION I - PRODUCT DESCRIPTION

PRODUCT NAME: **SCOUR POWER**
PRODUCT CODE: **N-55**
GENERAL DESCRIPTION: Oxygen Cleaner with Mild Abrasive
CHEMICAL NATURE: Oxidizer, Builder Blend

SECTION II - PRODUCT COMPOSITION (OSHA Listed Potentially Hazardous Ingredients)

Sodium Percarbonate CAS 4452-58-8 39%-61%
Sodium Carbonate CAS 497-18-1 38%-59%
Calcium Carbonate 4%-14%

SECTION III - PHYSICAL PROPERTIES

BOILING RANGE: Decomposes above 266 Deg. F.
MELTING POINT: 145 Deg. F.
VAPOR PRESSURE AT 20C: (MM of HG) N/A
VAPOR DENSITY: (Air = 1) N/A
SOLUBILITY IN WATER: 30 g/Kg @ 77 Deg. F.
SOLUBILITY IN SOLVENT: Insoluble
EVAPORATION RATE: N/A
APPEARANCE: White crystalline solid
ODOR: Odorless
PH RANGE: Alkaline

SECTION IV - FIRE AND EXPLOSION DATA

LOWER FLAMMABILITY LIMITS: (% In Air) Not pertinent
FLASH POINT: (And Method) .>200 F
FLAMMABILITY CLASSIFICATION: Not flammable
UNUSUAL FIRE/EXPLOSION HAZARDS: Decomposes with liberation of heat and oxygen which may intensify fire in combustible surroundings

RECOMMENDED EXTINGUISHING MEDIA: Foam, Dry Chemical or Water

SPECIAL FIRE FIGHTING PROCEDURES: To minimize the progressive generation of noxious gases, flood burning material with large quantities of water. Must wear NIOSH/MSHA approved SCBA and protective clothing. Cool fire-Exposed containers with water spray.

UNUSUAL FIRE AND EXPLOSION:

Material is an oxidizer

May ignite combustible materials and may produce noxious gases.

Products of combustion are toxic.

Airborne dusts of this product in an enclosed space and in the presence of an ignition source may constitute an explosion hazard. Use adequate explosion-proof ventilation system to control dust at the source. Avoid generating product dust near sources of ignition, including static electricity. Use safety measures in accordance with the 1988 edition of NFPA 654 (Standard for prevention of dust explosions in the Chemical, Dye, Pharmaceutical and Plastic Industries).

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SECTION V - HEALTH INFORMATION

THRESHOLD LIMIT VALUE: Estimated TWA in 8 hours at 5mg/m(3).

EFFECTS OF OVEREXPOSURE: (Listed by primary routes of entry)

Direct skin and eye contact can result in severe skin and eye irritation. Prolonged contact may produce irreversible damage. Inhalation of high concentrations can be severely irritating to the lung with potential systemic absorption and tissue damage. Repeated skin exposure may induce sensitization.

OTHER EFFECTS OF OVER EXPOSURE: (TO PHYSICIAN) May be irritating to eyes and mucous membranes. Endoscopy to access possible corrosive effects to the esophagus may be indicated. Decomposition products may include peroxide (irritant) and borate. Systemic effects are unlikely, but would be those of boric acid for which treatment is symptomatic and includes decontamination, support of circulation, correction of fluid electrolyte disturbances, control of convulsions and protection of kidneys if large borate loads are encountered.

Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Hold eyelids apart to ensure flushing of entire eye surface. DO NOT rub eyes. Get immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Under safety shower, wash affected areas with water and soap if available. Get immediate medical attention. Discard or decon clothing and shoes.

EMERGENCY FIRST AID CALL: 1-303-623-5716

INGESTION: DO NOT INDUCE VOMITING. If swallowed, immediately give 3-4 glasses of water. If vomiting occurs, give fluids again. Get immediate medical attention. Have physician determine if patient's condition allows induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

Inhalation: Remove to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing give supplemental oxygen, if available. Get immediate medical attention.

SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal conditions

CONDITIONS TO AVOID: Avoid heat, reducing agents, moisture, heavy metal, salts & combustible organic materials.

INCOMPATIBILITY WITH OTHER MATERIALS: Heat, reducing agents, moisture, heavy metals, salts & combustible materials.

HAZARDOUS DECOMPOSITION MATERIALS: Hydrogen peroxide, oxygen which supports combustion. Decomposition can occur gradually, releasing controlled amounts of oxygen; not considered hazardous under foreseeable circumstances.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VII - SPILL/LEAK PROCEDURES

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED:

DANGER! Oxidizing and corrosive material. Dust explosion hazard. DO NOT get in eyes or on skin. DO NOT breath dust. For spills, wear appropriate protective gear and respiratory protection. Where dust may be generated, wear full face respiratory protection and remove all sources of ignition. For large spills, or when spilled material comes in contact with water. SCBA is preferred. Carefully sweep up spilled material (avoid generating dust) and place in an appropriate container for disposal. Do not contaminate with oxidizable materials. Neutralize any residue with dilute, alkaline sodium bisulfite or thiosulfate solution; absorb with sand or vermiculite and place in a compatible container for disposal. If spilled material is wet, neutralize and proceed as stated above. This material is not harmful to aquatic life when used in the manner intended and disposed of through a sewage treatment system. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an SPDES permit.

WASTE DISPOSAL PROCEDURES: Dispose of at an approved facility in accordance with applicable federal, state and local regulations. If approved, may be removed to land disposal area or flushed into sewer into waste treatment plant.

Large spills may be neutralized with sulfuric acid or sodium bisulfate.

AQUATIC TOXICITY: This product is slightly toxic/96hr LC(50) = 150-1,500 mg.

RCRA: If disposed of as shipped this material is a RCRA ignitable waste having a waste ID No. D001 (40 CFR 262.21).

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear NOISH/MSHA approved dust mask if 15mg/m(3) limitation is exceeded.

LOCAL EXHAUST: Work in well ventilated area or local exhaust ventilation where excessive airborne dust is expected.

PROTECTIVE GLOVES AND CLOTHING: Wear general purpose non-absorbent gloves. Wear clothing designed to minimize exposure.

EYE PROTECTION: Chemical type goggles and face mask should be worn whenever airborne dust is expected.

OTHER PROTECTIVE EQUIPMENT: As determined by or recommended by federal state or local regulations.

SECTION IX – ADDITIONAL PRECAUTIONS

STORAGE: Do not breathe dust. Avoid generating dust. Store in a cool, dry place, isolated from all organic material. Product is a strong oxidizer and is corrosive. Avoid heat and direct sunlight. Do not allow product to come in contact with oxidizable material. Keep container closed.

SAFETY PRECAUTIONS: Avoid breathing dust. Avoid contact with skin. Wash thoroughly after handling, before eating, before drinking, before smoking and before using toilet facilities. Safety shower, eye bath and washing facilities should be available when handling large quantities.

SECTION X - D.O.T. SHIPPING INFORMATION

Proper Shipping Name:	Oxidizer Material N.O.S.
Hazard Class:	Oxidizer
ID Number:	UN1479
Label Requirements:	Oxidizer
Reportable Quantity:	None

SECTION XI - REGULATORY

Sodium Percarbonate is listed with the State of New Jersey.

The information herein is presented in good faith and believed to be correct as of the date hereof. However, Van-Tech Industries makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representation or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder.

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