

MATERIAL SAFETY DATA SHEET: OC-100 CRYSTALS

Section I - General Information

(000000-000000- - OC-100C)

Date of Issue:

3/24/2004 12:00:00 AM

Supersedes:

3/11/2004 12:00:00 AM

Chemical Name & Synonyms:

N/A

Trade Name & Synonyms:

OC-100 CRYSTALS

Chemical Family:

CITRUS BASED ALKALINE POWDERED DETERGENT

Formula is a mixture: [√]

Manufacturer Name:

Partsmaster, Div of NCH Corp.

Manufacturer Address:

P.O. Box 655326
Dallas, TX 75265-5326

Prepared By:

a santiago/Chemist

Product Code Number:

OC-100C

Emergency Phone Number:

800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

<u>Chemical Name (Ingredients)</u>	<u>Hazard</u>	<u>TLV</u>	<u>PEL</u>	<u>STEL</u>	<u>CAS #</u>
SODIUM METASILICATE	IRRITANT	NOT EST.	NOT EST.	N/A	6834-92-0
ALKYLBENZE SULFONIC ACID	IRR/TOX	NOT EST.	NOT EST.	N/A	27176-87-0
POLY (OXYETHYLENE) NONYLPHENOL	IRRITANT	NOT EST.	NOT EST.	N/A	9016-45-9
SODIUM TRIPOLYPHOSPHATE	IRRITANT	NOT EST.	NOT EST.	N/A	7758-29-4
SODIUM CARBONATE	IRRITANT	NOT EST.	NOT EST.	N/A	497-19-8
SODIUM SULFATE	IRRITANT	NOT EST.	NOT EST.	N/A	7757-82-6
TRISODIUM PHOSPHATE	IRRITANT	NOT EST.	NOT EST.	N/A	7601-54-9
D-LIMONENE	IRRITANT	NOT EST.	NOT EST.	N/A	5989-27-5

Section III - Physical Data

Boiling Point (°F): N/A	Specific Gravity (H₂O=1): N/A
Vapor Pressure (mm Hg): N/A	Color: ORANGE
Vapor Density (Air=1): N/A	Odor: CITRUS
pH @ 100%: 12.5-10%	Clarity: N/A
% Volatile by Volume: N/A	Evaporation Rate (BuAc=1): N/A
H₂O Solubility:	Viscosity: POWDER

Section IV - Fire and Explosion Hazard

Flash Point: N/A
Flammable Limits:
LEL: N/D

Method Used:
UEL: N/D
Aerosol Level (NFPA 30B): N/A

Extinguishing Media:

[√] Foam [] Alcohol Foam [√] CO₂
[√] Dry Chemical [√] Water Spray [] Other

NFPA 704 Hazard Rating:

4-Extreme Health: 2
3-High Flammability: 0
2-Moderate Instability: 0
1-Slight Special:
0-Insignificant

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE-EXPOSED

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CONTAINERS WITH WATER FOG.

Unusual Fire and Explosion Hazards:
NONE KNOWN

Section V - Health and Hazard Data

Threshold Limit Value:
NOT ESTABLISHED.

Effects of Overexposure:

Acute: (Short Term Exposure)

EYE CONTACT: MAY CAUSE IRRITATION SEEN AS STINGING, TEARING, AND REDNESS. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS REDNESS, ITCHING, AND A BURNING SENSATION WITH PROLONGED OR REPEATED EXPOSURE. INGESTION: GASTROINTESTINAL IRRITATION, BURNS TO MUCOUS MEMBRANE, WITH NAUSEA AND DIARRHEA. INHALATION: MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT.

Chronic: (Long Term Exposure)

CHRONIC SKIN CONTACT MAY PROMOTE DERMATITIS.

Primary Routes of Entry

Inhalation Ingestion Absorption

Emergency First Aid Procedures:

Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

Eye Contact:

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Skin Contact:

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

Ingestion:

CONTACT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

Notes to Physician:

Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC NTP OSHA ACGIH Other

SODIUM METASILICATE
SKN-HMN 250 MG/24H SEVERE 3.
SKN-GUINEA PIG 250 MG/24H MOD 3.
ORL-RAT LD50: 1153 MG/KG 3.
ORL-MUS LD50: 770MG/KG 3.

ALKYLBENZE SULFONIC ACID
ORL-RAT LD50: 650 MG/KG 3.

POLY (OXYETHYLENE) NONYLPHENOL
SKN-HMN 15 MG/3D INTERMITTENT MILD 3.
SKN-RBT 500 MG MILD 3.
EYE-RBT 5 MG SEVERE 3.
ORL-RAT LD50: 2590 UL/KG 3.
SKN-RBT LD50: 28 UL/KG 3.

SODIUM TRIPOLYPHOSPHATE
SKN-RBT 500 MG/24H 3.
ORL-RAT LD50: 3120 MG/KG 3.
SKN-RBT LD50: >4640 MG/KG 3.

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SODIUM CARBONATE
SKN-RBT 500 MG/24H MLD 3.
EYE-RBT 100 MG/24H MOD 3.
ORL-RAT ID50: 4090 MG/KG 3.
IHL-RAT LC50: 2300 MG/M3/2H 3.

SODIUM SULFATE
ORL-MUS LD50: 5989 MG/KG 3.

SODIUM SULFATE
SKN-RBT LD-___ >300MG/KG 3.

D-LIMONENE
ORL-RAT LD50: 4400 MG/KG 3.
SK-RBT LD50: >5GM/KG 3.
ORL-MUS LD50: 5600 MG/KG 3.

Section VII - Reactivity Data

Stability

Stable Unstable

Conditions to Avoid:
NONE KNOWN

Hazardous Polymerization

Will not occur May occur

Conditions to Avoid:
NONE KNOWN

Incompatibility (Materials to Avoid):

STRONG ACIDS AND STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE WITH UNDILUTED PRODUCT.

Hazardous Decomposition Products:

THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled:

FOR LARGE SPILLS VENTILATE THE AREA AND REMOVE ALL SOURCES OF IGNITION. SWEEP UP SPILLED MATERIAL FOR REUSE OR PLACE IN A PROPERLY MARKED CONTAINER FOR PROPER DISPOSAL.

Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent:

NONE KNOWN

Section IX - Special Protection Information

Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED.

Respiratory Protection:

USE WITH ADEQUATE VENTILATION. DO NOT BREATHE DUST.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY.

Eye Protection:

SAFETY GLASSES OR GOGGLES IF THE METHOD OF APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT.

Other Protection:

EYE WASH STATION

Section X - Storage and Handling Information

Storage Temperature

Max: Min:

Storage Conditions

Indoors Outdoors Heated Refrigerated

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Precautions to be Taken in Handling and Storing:

STORE IN A COOL, DRY PLACE AWAY FROM HEAT OR OPEN FLAME. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USED.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

Section XI - Regulatory Information

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Upper % Limit</u>
None.		

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

Section XII - References

1. OSHA PEL. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL 2. AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2003. 3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2004. 4. SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, TENTH EDITION, RICHARD J. LEWIS. ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING. - IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE CLOSED CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIANT, PNOS:PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMN:HUMAN

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