

NASHUA CORP OFFICE PRODUCTS DIV. -- NASHUA XD-41, XD-45, XD-48, XD-50 -- 6850-01-197-7075

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Product Identification
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Product ID:NASHUA XD-41, XD-45, XD-48, XD-50

MSDS Date:07/10/1996

FSC:6850

NIIN:01-197-7075

Status Code:A

MSDS Number: CKPKB

=== Responsible Party ===

Company Name:NASHUA CORP OFFICE PRODUCTS DIV.

Address:44 FRANKLIN ST

City:NASHUA

State:NH

ZIP:03060

Country:US

Info Phone N

um:603-880-2323

Emergency Phone Num:303-623-5716

Resp. Party Other MSDS Num.:3315

Preparer's Name:TECHNICAL MANAGER

Chemtrec Ind/Phone:(800)424-9300

CAGE:34936

=== Contractor Identification ===

Company Name:NASHUA CORP OFFICE PRODUCTS DIV.

Address:44 FRANKLIN ST

Box:City:NASHUA

State:NH

ZIP:03060

Country:US

Phone:603-880-2323

CAGE:34936

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Composition/Information on Ingredients
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Ingred Name:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Minumum % Wt:.5

Maxumum % Wt:1.

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ther REC Limits:NONE DETERMINED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:ZINC STEARATE
CAS:557-05-1
RTECS #:ZH5200000
< Wt:.05
Other REC Limits:NONE DETERMINED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:IRON GRANULES
CAS:7439-89-6
RTECS #:NO4565500
> Wt:90.

Ingred Name:ACRYLATE RESIN
CAS:9010-88-2
Fraction by Wt: @ 4.8%

Ingred Name:STYRENE ACRYLATE POLYMER
CAS:25213-39-2
Minimum % Wt:4.
Maximum % Wt:4.5

Ingred Name:AMORPHOUS SILICA
CAS:68611-44-
9
< Wt:.05

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYE: MAY CAUSE IRRITATION. SKIN: MAY
CAUSE IRRITATION. REPEATED CONTACT MAY CAUSE IRRITATION; MAY CAUSE
ALLERGIC SKIN REACTION. INHALATION: INHALATION OF DUST COULD CAUSE
UPPER RESPIRATORY IRRITATION. INGESTION: MAY CAUSE IRRITATION OF
THE MUCOUS MEMBRA

RESPIRATORY OR DIGESTIVE TRACT.

Explanation of Carcinogenicity:BASED ON ANIMAL LABORATORY STUDIES SPECIFICALLY RATS. IARC: CARBON BLACK IS CLASSIFIED CATEGORY 2B (KNOWN ANIMAL CARCINOGEN, POSSIBLE HUMAN CARCINOGEN).

Effects of Overexposure:EYE: MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION. REPEATED CONTACT MAY CAUSE IRRITATION; MAY CAUSE ALLERGIC SKIN REACTION. INHALATION: INHALATION OF DUST COULD CAUSE UPPER RESPIRATORY IRRITATION. INGESTION: MAY CAUSE IRRITATION OF THE MUC

OUS MEMBRANES OR DIGESTIVE TRACT.

Medical Cond Aggravated by Exposure:NONE KNOWN

===== First Aid Measures =====

First Aid:EYES: IMMEDIATELY FLUSH WITH PLENTY OF RUNNING WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION. SKIN: FLUSH AFFECTED AREAS PROMPTLY WITH WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING. IN CASE OF CONTINUED IRRITATION CONSULT PHYSICIAN. INHALATION: FOR OVER-EXPOSURE REMOVE TO FRESH AIR. INGESTION: OBTAIN MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Extinguishing Media:WATER SPRAY, FOAM, DRY CHEMICAL, CARBON DIOXIDE. Fire Fighting Procedures:CONTAINERS SHOULD BE KEPT COOL WITH WATER SPRAY. TO AVOID INHALATION OF TOXIC FUMES WEAR MSHA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COMBUSTIBLE DUST! Unusual Fire/Explosion Hazard:TONER, LIKE MOST INORGANIC MATERIALS IN POWDER FORM, WHEN DISPERSED IN AIR, CAN FORM EXPLOSIVE MIXTURES THAT CAN PRODUCE TOXIC FUMES SUCH AS CARBON MONOXIDE AND CO.

===== Accidental Release Measures =====

Spill Release Procedures:CUT OFF ALL SOURCES OF IGNITION. SWEEP UP OR VACUUM SPILLED TONER CAREFULLY TRANSFER INTO A SEALED WASTE CONTAINER, MINIMIZE GENERATION OF DUST DURING CLEAN-UP. IF A VACUUM IS USED, THE MOTOR MUST BE RATED AS DUST TIGHT. A CONDUCTIVE HOSE BONDED TO MACHINE SHOULD BE USED. RESIDUE CAN BE REMOVED WITH SOAP AND WATER. GARMENT

S MAY BE WASHED OR DRY CLEANED AFTER REMOVAL OF
LOOSE MATERIAL.

Neutralizing Agent:NONE

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===== Handling and Storage =====

Handling and Storage Precautions:AVOID EYE AND SKIN CONTACT, AND STORE
IN WELL-VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED AND KEEP
AWAY FROM HEAT, SPARKS, AND OPEN FLAME. DO NOT STORE WITH
INCOMPATIBLE MATEIRALS. DO NOT STORE OR CONSUME FOOD, DRINK OR
TOBACCO IN AREA WHERE THEY MAY BECOME CONTAMINATED WITH THIS

MATERIAL.

Other Precautions:IN CANADA ALL OUTSIDE CONTAINERS MUST BE LABELED AS A
WHMIS CLASS D2A CONTROLLED SUBSTANCE.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH CERTIFIED DUST MASK IF DUST IS
PRESENT.

Ventilation:ROOM VENTILATION IS SUFFICIENT. BE SURE TO MAINTAIN NORMAL
ROOM VENTILATION. (10 CHANGES OF AIR PER HOUR.)

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:EYEGASSES WITH SIDE SHIELDS OR GOGGLES

Other

Protective Equipment:CHEMICAL RESISTANT APRONS. DISPOSABLE
COVERALLS ARE OPTIONAL AND DISCARD AFTER USE.

Supplemental Safety and Health

NONE

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===== Physical/Chemical Properties =====

HCC:N1

Spec Gravity:7.0, APPROX.

Evaporation Rate & Reference:N/A (BUAC=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BLACK GRANULAR POWDER, SLIGHT ODOR

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG

OXIDIZERS

Stability Condition to Avoid:AVOID OPEN FLAME AND EXCESSIVE HEAT.

Hazardous Decomposition Products:CO , CARBON DIOXIDE

===== Toxicological Information =====

Toxicological Information:BASED ON THE LABORATORY EVIDENCE AVAILABLE, THE CARBON BLACK INDUSTRY BELIEVES THAT CARBON BLACK IS NOT CARCINOGENIC TO HUMANS. FURTHERMORE, RESEARCHERS BELIEVE THAT THE HEALTH EFFECTS REPORTED, RESULT FROM MASSIVE ACCUMULATION OF SMALL DUST PARTICLES IN THE LUNG TO CAUSE THE "LUNG OVERLOAD" PHENOMENON RATHER THAN FROM A SPECIFIC CHEMICAL EFFECT OF THE DUST PARTICLES IN THE LUNG.

===== Ecological Information =====

Ecological:THIS CHEMICAL FORMULATION HAS NOT BEEN TESTED FOR ENVIRONMENTAL EFFECTS. ALTHOUGH, IN A SPILL SITUATION THIS FORMULATION MAY BE AESTHETICALLY UNPLEASANT, IT IS WATER INSOLUBLE, AND IS NOT EXPECTED TO SHOW ANY ADVERSE ENVIRONMENTAL EFFECTS.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE ACCORDING TO FEDERAL REGULATION 40 CFR261, THIS MATERIAL IS NOT A HAZARDOUS WASTE WHEN DISCARDED. HOWEVER, STATE AND LOCAL REQUIREMENTS MAY BE MORE EFFECTIVE. THEREFORE, CONSULTATION WITH PROPER STATE AND LOCAL AUTHORITIES IS ADVISED INCINERATION IS RECOMMENDED AND ONLY IN A CLOSED CONTAINER

===== MSDS Transport Information =====

Transport Information:DOT, IMO, IATA/ICAO, TRANSPORT CANADA: NON-REGULATED.

===== Regulatory Information =====

SARA Title III Information:SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) REQUIRES SUBMISSION OF ANNUAL REPORTS OF RELEASE OF TOXIC CHEMICALS THAT APPEAR IN 40 CFR 372 (FOR SARA 313).

Federal Regulatory Information:ALL INGREDIENTS IN THIS FINISHED PRODUCT ARE LISTED ON THE EPA TSCA INVENTORY. NO LISTED CERCLA HAZARDOUS SUBSTANCES.

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