

MATERIAL SAFETY DATA SHEET:Z-DISK II ABRASIVE DISKS

DATE OF ISSUE: 05/12/2004

SUPERCEDES: 05/13/2002

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms:

N/A

Trade Name & Synonyms:

Z-DISK II ABRASIVE DISKS

Chemical Family:

ALUMINUM-ZIRCONIUM OXIDE ABRASIVE

Formula Mixture: X**Manufacturer's Name:**

Trust-X by Partsmaster, Div of NCH Corp.

Address:

P.O. Box 655326

Dallas, TX 75265-5326

Prepared By:

a santiago/Chemist

Product Code Number

87860024

Emergency Phone Number

800-535-5035

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>
ALUMINUM OXIDE	IRRITANT	10MG/M3	15MG/M3	N/A	1344-28-1
ZIRCONIUM OXIDE	IRRITANT	5 MG/M3	5 MG/M3	N/A	1314-23-4
CRYOLITE	POISON ING	2.5 MG/M3	2.5 MG/M3	N/A	15096-52-3
SILICON CARBIDE	NUISC DUST	10 MG/M3	15 MG/M3	N/A	409-21-2
KAOLIN	NUISC DUST	2 MG/M3	10 MG/M3	N/A	1352-58-7

SECTION III - PHYSICAL DATA

Boiling Point (f):	N/A	Specific Gravity (H2O=1):	N/A
Vapor Pressure (MM HG):	N/A	Color:	GREY
Vapor Density (Air=1):	N/A	Odor:	NONE
PH @ 100% :	N/A	Clarity	OPAQUE
% Volatile by Volume:	NONE	Evaporation Rate (BU A/C=1):	N/A
H2O Solubility:	INSOLUBLE	Viscosity:	N/A

SECTION IV - FIRE AND EXPLOSION HAZARD

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

Extinguishing Media:

Foam: Alcohol Foam: CO2: Dry Chemical: Water Spray: Other:

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE.

Unusual Fire and Explosion Hazards:

WILL NOT BURN UNDER ORDINARY USE.

NFPA Hazard Rating: (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Health:1

Flammability:0

Instability:0

Special:

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute(Short Term Exposure)

EYES: DUST MAY CAUSE EYE IRRITATION. DUST PARTICLES MAY CAUSE ABRASIVE INJURY TO THE EYE. SKIN: EXCESSIVE CONTACT MAY CAUSE MECHANICAL IRRITATION. INHALATION OF FUMES: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SHORTNESS OF BREATH.

-Chronic (Long Term Exposure)

LONG TERM OVER EXPOSURE TO DUST MAY CAUSE LUNG DAMAGE WITH SYMPTOMS OF SHORTNESS OF BREATH AND DIMINISHED BREATHING CAPACITY. CHRONIC EFFECTS MAY BE IRRITATED BY SMOKING. PROLONGED EXPOSURE TO HIGH NOISE LEVELS MAY ADVERSELY AFFECT HEARING. A GREATER RISK IS LIKELY FROM MATERIALS BEING WORKED, PAINTS, COATING, ETC. THEREFORE, AN ASSESSMENT OF THE SUBSTANCES BEING ABRADED BY THE PRODUCT IS ESSENTIAL, PRIOR TO USE.

Primary Routes of Entry: Inhalation:X Ingestion: Absorption:

Emergency and First Aid Procedures:**-Inhalation:**

REMOVE TO DUST-FREE AREA. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION IN ACCORDANCE WITH THE GUIDELINES OF THE AMERICAN RED CROSS. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

-Eye Contact:

FLUSH WITH WATER FOR 15 MINUTES TO REMOVE PARTICULATE MATTER. OBTAIN MEDICAL ATTENTION IF NEEDED.

-Skin Contact:

DUST MAY IRRITATE SKIN. IF THIS OCCURS, WASH THOROUGHLY WITH SOAP AND WATER. IF USED INCORRECTLY PRODUCT MAY ABRASE SKIN. IF THIS OCCURS, THOROUGHLY, CLEAN WOUND AND APPLY A STERILE DRESSING.

-Ingestion:

IF SIGNIFICANT QUANTITIES OF DUST ARE INGESTED, SEEK MEDICAL ASSISTANCE.

-Notes to Physician:

NONE

SECTION VI - TOXICITY INFORMATION**Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:**

IARC: No **NTP:** No **OSHA:** No **ACGIH:** No **OTHER:** No

ALUMINUM OXIDE: SUSPECTED CARCINOGEN BY IMPLANTATION. INHALATION OF FINELY DIVIDED PARTICLES :
IPL-RAT TDLO: 90 MG/KG:ETA 3.
IMP-RAT TDLO: 200 MG/KG: NEO 3.
IMP-RAT TD: 200 MG/KG:ETA 3.
IHL-RAT TCLO: 200MG/M3/5H/28W 3.

SECTION VII - REACTIVITY DATA

Stability: Stable:X Unstable:

Conditions to Avoid: NONE KNOWN

Incompatibility (Materials to Avoid):

NO KNOWN CONDITIONS OR MATERIALS TO AVOID

Hazardous Decomposition Products:

IN USE, DUST FROM SUBSTANCES LISTED IN SECTION II WILL BE GIVE OFF, ALSO SUBSTANCES FROM MATERIAL BEING ABRADED. SEE SECTION V.

Hazardous Polymerization: May Occur: Will Not Occur:X

Conditions to Avoid: NONE KNOWN

SECTION VIII - SPILL OR LEAK PROCEDURES**Steps to be Taken if Material is Released or Spilled:**

IF SPILLED, PICK UP WITH VACUUM OR SWEEP AND PLACE RECOVERED MATERIAL IN A PROPER CONTAINER FOR DISPOSAL. MINIMIZE GENERATION OF DUST.

Waste Disposal Method(s):

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

Neutralizing Agent:

N/A

SECTION IX - SPECIAL PROTECTION INFORMATION**Required Ventilation:**

USE LOCAL EXHAUST VENTILATION OR GENERAL VENTILATION AS REQUIRED. MINIMIZE EXPOSURE TO DUST AND ENSURE EXPOSURE TO DUST LEVELS DOES NOT EXCEED TLV'S. LOCAL EXHAUSTS VENTILATION IS PREFERRED BECAUSE IT PREVENTS CONTAMINANTS DISPERSION INTO THE WORK AREA BY CONTROLLING IT AT THE SOURCE. (OSHA 29 CFR 1910.94 VENTILATION)

Respiratory Protection:

WEAR A MSHA/NIOSH APPROVED RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED OR WHERE DUST EXPOSURE ARE EXCESSIVE. SELECTION OF RESPIRATORY PROTECTION DEPENDS ON THE CONTAMINANT TYPE, FORM AND CONCENTRATION. SELECT AND USE RESPIRATORS IN ACCORDANCE TO OSHA RESPIRATOR REGULATIONS (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992).

Glove Protection:

HEAVY DUTY CLOTH OR LEATHER GLOVES RECOMMENDED.

Eye Protection:

SAFETY GOGGLES OR FULL FACE SHIELD SHOULD BE WORN, OSHA 29 CFR 1910.133

Other Protection:

HEARING PROTECTION MAY BE REQUIRED FOR GRINDING OPERATIONS. AS NEEDED HEARING PROTECTION, OSHA 29 CFR 1910.135 (HEARING PROTECTION)

SECTION X - STORAGE AND HANDLING INFORMATION**Storage Temperature:**

Indoors:X

Outdoors:

Heated:

Refrigerated:

Minimum Temperature:32°F

Maximum Temperature:104°F

Precautions to be taken in Handling and Storing:

STORE IN DRY AREAS AT HUMIDITY BETWEEN 40% TO 60% AND AT TEMPERATURES BETWEEN 32°F AND 104°F. STORING DISCS AND WHEELS OUTSIDE THESE PARAMETERS WILL NOT CAUSE ANY HEALTH RISKS BUT MAY RESULT IN DETERIORATION IN PERFORMANCE. AVOID DROPPING OR IMPACT.

Other Precautions:

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

SECTION XI - REGULATORY INFORMATION**Chemical Name****CAS Number****Upper % Limit**

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.

CALIFORNIA PROPOSITION 65

WARNING: This product contains the following chemical(s) know to the State of California to cause (1)Cancer or (2)Birth Defects or other reproductive harm. THIS PRODUCT CONTAINS NONE.

SECTION XII - REFERENCES

1. SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, TENTH EDITION
RICHARD J. LEWIS, SR.D
2. TITLE III SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFO DISC, 2004.
4. TOXIC SUBSTANCE CONTROL ACT, TSCA, APRIL, 2004.

ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (T
IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE CARC:CARCINOGENIC, TOX:
THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORI
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