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DATE OF ISSUE
5/05/1999

SUPERSEDES
4/13/1999

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms
N/A

Trade Name & Synonyms
ND-66 (1 X 60#)

Chemical Family:
ALUMINUM/METALLIC BLEND

Formula Mixture --> X

Manufacturer's Name:
CHEMSEARCH DIV. OF NCH CORP.

Address:
BOX 152170
IRVING, TX 75015

Prepared By:
R STOLLEY/CHEMIST

Product Code Number:
4416

Emergency Phone Number:
800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
SODIUM HYDROXIDE	CORROSIVE	2MG/M3 1.	2MG/M3 2.	N/E	1310-73-2
ALIPHATIC PETROLEUM DISTILLATE	IRRITANT	300 PPM 3.	300 PPM 3.	N/E	64742-47-8
ALUMINUM	IRRITANT	10MG/M3 1.	5MG/M3 2.	N/E	7429-90-5
SODIUM NITRATE	TOX/MUT.	10MG/M3 1.	10MG/M3 2.	N/E	7631-99-4

SECTION IIa - NON-HAZARDOUS INGREDIENTS

(NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE)

Secret Registry #: 409 563-503 3E

SECTION III - PHYSICAL DATA

Boiling Point (F):	N/A	Specific Gravity (H2O=1):	N/E
Vapor Pressure (MM HG):	N/A	Color:	BLUE
Density (AQUEOUS):	N/A	Odor:	NONE
PH @ 100% :	10%~14	Clarity:	SOLID
% Volatile by Volume:	1	Evaporation Rate (BU A/C=1):	N/A
H2O Solubility:	APPRECIABLE	Viscosity:	GRANULAR

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point:
NON FLAM /

Flammable Limits

LEL
N/A

UEL
N/A

Extinguishing Media
X <--Foam X <--Alcohol Foam X <--CO2 X <--Dry Chemical <--Water Spray <--Other

Special Fire Fighting Procedures:
FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire and Explosion Hazards:
YIELDS GASEOUS OXIDES OF NITROGEN. CONTACT WITH NITRO-COMPOUNDS MAY FORM SHOCK SENSITIVE SALTS. DO NOT USE WATER TO EXTINGUISH FIRES WHERE THIS PRODUCT IS INVOLVED AS WATER WILL CAUSE A VIOLENT OR EXPLOSIVE REACTION.

Aerosol Level (NEPA 308): N/A

NEPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)
3 <--Health 1 <--Flammability 1 <--Instability W* <--Special

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:
NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute (Short Term Exposure)

SKIN CONTACT: CORROSIVE. CAUSES BURNS WITH REDNESS, SWELLING AND POSSIBLE DEEP ULCERATION. REPEATED OR PROLONGED CONTACT CAN LEAD TO SCARRING, CRACKING, AND DERMATITIS. EYE CONTACT: CORROSIVE. DUST CAUSES BURNS TO THE EYES WITH POSSIBLE CORNEAL DAMAGE OR BLINDNESS. MAY CAUSE EXCESSIVE TEAR PRODUCTION, REDNESS, PAIN, SCARRING, INFECTION, AND SWELLING OF THE CONJUNCTIVA. INGESTION: CORROSIVE. CAUSES SEVERE BURNS TO THE MOUTH, THROAT, STOMACH, ESOPHAGUS AND DEEP TISSUES. MAY CAUSE NAUSEA, VOMITING, AND DIARRHEA. INGESTION OF LARGE QUANTITIES MAY BE FATAL. INHALATION: CORROSIVE. DUST CAUSES BURNS TO THE RESPIRATORY TRACT, NOSE, MOUTH, AND THROAT WITH DISCOMFORT, NASAL DISCHARGE, SNEEZING, COUGHING, AND CHEST PAIN.

-Chronic (Long Term Exposure)

NO CHRONIC EFFECTS ARE KNOWN. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING SKIN AND EYE CONDITIONS SUCH AS DERMATITIS AND CONJUNCTIVITIS. TARGET ORGANS: NONE KNOWN. THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY. THE PRIMARY ROUTE OF EXPOSURE IS SKIN AND EYE CONTACT.

SECTION V - HEALTH HAZARD DATA (Continued)

Primary Routes of Entry: <--Inhalation <--Ingestion <--Absorption

Emergency and First Aid Procedures:

-Inhalation:

REMOVE THE SUBSTANCE FROM THE NASAL PASSAGES AND DISCOURAGE FROM INHALING FURTHER. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

-Eye Contact:

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

-Skin Contact:

IMMEDIATELY WIPE AWAY MATERIAL WITH A CLOTH WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH THOROUGHLY WITH LARGE AMOUNTS OF SOAP AND WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. DISCARD OR CLEAN CLOTHING AND SHOES.

-Ingestion:

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. AN UNCONSCIOUS PERSON.

-Notes to Physician:

TREAT AS WITH ANY STRONGLY ALKALINE PRODUCT.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC--> No NTP--> No OSHA--> No ACGIH--> No OTHER--> No

SODIUM HYDROXIDE

ACUTE LC50 > 0.018 < 0.20 MG/LO 3.

ORL-RAT LD50: 140 - 340 MG/KG 3.

SKN-RAT LD50 = 1,350 MG/KG 3.

SKN-RBT: 500 MG/24H SEV 4.

EYE-RBT: 1 MG/24H SEV 4.

ALIPHATIC PETROLEUM DISTILLATE

UNK-MAN LDLO = 1176 MG/KG 4.

ORL-RAT LD50 = 28 G/KG 4.

ORL-RBT LD50 = 28 G/KG 4.

SODIUM NITRATE

ORL-RAT TDLO: 100G/KG/2Y-C:ETA 3.

ORL-RAT LD50: 175 MG/KG 3.

ORL-MUS TDLO: 16800 MG/KG (MALE 14D PRE): REP 3.

ALUMINUM

NO TOXICITY INFORMATION AVAILABLE

SECTION VII - REACTIVITY DATA

Stability: X <--Stable <--Unstable

Conditions to Avoid:

NONE KNOWN.

Incompatibility (Materials to Avoid):

STRONG ORGANIC AND MINERAL ACIDS, FLAMMABLE LIQUIDS, ORGANIC HALOGENS, ZINC, TIN; NITROMETHANE AND NITRO COMPOUNDS.

Hazardous Decomposition Products:

OXIDES OF NITROGEN AND CARBON.

Hazardous Polymerization:

<--May Occur X <--Will Not Occur

Conditions to Avoid:

NONE KNOWN.

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

TRANSFER SOLID TO APPROPRIATELY LABELLED CONTAINER FOR REUSE OR DISPOSAL. NEUTRALIZE REMAINING TRACES OF MATERIAL WITH DILUTE ACID THEN FLUSH AREA WITH WATER FOLLOWED BY LIBERAL COVERING OF SODIUM BICARBONATE. AVOID CREATING DUSTY CONDITIONS. WEAR PROTECTIVE CLOTHING.

Waste Disposal Method(s):

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

Neutralizing Agent:

USE DILUTE ACIDS SUCH AS HYDROCHLORIC ACID OR VINEGAR. ADD CAUTIOUSLY WHILE MIXING. WEAR APPROPRIATE PROTECTIVE CLOTHING.

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

MECHANICAL EXHAUST VENTILATION TO CONTROL AIRBORNE DUST. LOCAL EXHAUST MAY BE NECESSARY AT HANDLING SITES.

Respiratory Protection:

TYPICAL USE DOES NOT NORMALLY REQUIRE THE USE OF A RESPIRATOR. WHEN WORKING IN CONFINED OR DUSTY CONDITIONS, WEAR A NIOSH APPROVED DUST FILTER MASK OR RESPIRATOR.

Glove Protection:

NEOPRENE RUBBER OR NITRILE GLOVES SHOULD BE WORN.

Eye Protection:

CHEMICAL GOGGLES AND A FACE SHIELD SHOULD BE WORN.

Other Protection:

WEAR A NEOPRENE OR PVA RUBBER APRON WHEN HANDLING.

SECTION IX - SPECIAL PROTECTION INFORMATION (Continued)

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors--> X Outdoors--> Heated--> Refrigerated-->
 Minimum Temperature: 32°F Maximum Temperature: 120° F

Precautions to be Taken in Handling and Storing:
 Store in COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE NEAR ACIDS AND OTHER ORGANIC CHEMICALS.

Other Precautions:
 CONSIDERABLE HEAT IS GENERATED WHEN WATER IS ADDED TO THIS PRODUCT. DO NOT USE WHERE ACIDIC DRAIN OPENERS MAY BE PRESENT AS A VIOLENT REACTION CAN OCCUR. KEEP OUT OF REACH OF CHILDREN. READ ENTIRE LABEL BEFORE USING.

SECTION XI - REGULATORY INFORMATION

Chemical Name	CAS Number	Upper & Limit
ALUMINUM DUST	7429-90-5	10

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

- THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1998.
 - OSHA PEL. 3. VENDOR'S MSDS.
 - SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, EIGHTH EDITION, RICHARD J. LEWIS, SR.
- ALL OF THE COMPONENTS WITHIN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE
 CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED,
 C/C: CLEVELAND OPEN CUP, P/MCC: PENSKEY-MARTIN CLOSED CUP, T/C: TAGILABUE CLOSED CUP, LEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT, NEPA: 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 LEVEL, STEL: SHORT-TERM EXPOSURE LIMIT, MLD: MILD, MOD: MODERATE, SEV: SEVERE, MUT: MUTAGENIC, ASPHYX: ASPHYXLANT

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