

MATERIAL SAFETY DATA SHEET: CERTI-SLIDE AERO

Section I - General Information

(000000-000000- - 529J)

Date of Issue: 1/24/2003 12:00:00 AM
Chemical Name & Synonyms: N/A
Chemical Family: AQUEOUS GRAPHITE MIXTURE
Manufacturer Name: CERTIFIED LABS, DIV. OF NCH CORP.
Manufacturer Address: BOX 152170 IRVING, TEXAS 75015
Prepared By: C Williamson/Chemist

Supercedes: 4/19/2002 12:00:00 AM
Trade Name & Synonyms: CERTI-SLIDE AERO
Formula is a mixture: [X]

Product Code Number: 529J
Emergency Phone Number: 800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Table with 6 columns: Chemical Name (Ingredients), Hazard, TLV, PEL, STEL, CAS #. Rows include ALKALI SILICATE, GRAPHITE, PROPANE, and ISOBUTANE with their respective hazard levels and CAS numbers.

Section III - Physical Data

Boiling Point (°F):212°
Vapor Pressure (mm Hg):17.99
Vapor Density (Air=1):1.4
pH @ 100% :10.8
% Volatile by Volume:>85
H2O Solubility:APPRECIABLE
Specific Gravity (H2O=1):1.08
Color:DK GRAY TO BLACK
Odor:AMMONIA
Clarity:OPAQUE
Evaporation Rate (BuAc=1):0.72
Viscosity:SLIGHT VISCOUS

Section IV - Fire and Explosion Hazard

Flash Point: >200°F
Method Used: SETAFLASH
Flammable Limits: PROPANE/ISOBUTANE
LEL: 1.8%
UEL: 9.5%
Aerosol Level (NFPA 30B): 1

Extinguishing Media: [X] Foam, [X] Alcohol Foam, [X] CO2, [X] Dry Chemical, [X] Water Spray, [] Other

NFPA 704 Hazard Rating: 4-Extreme Health: 1, 3-High Flammability: 1, 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.
Unusual Fire and Explosion Hazards: FLAME EXTENSION IS 0 INCHES, BURNBACK IS 0 INCHES.

Section V - Health and Hazard Data

Threshold Limit Value: NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.
Effects of Overexposure:
Acute: (Short Term Exposure) SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS.
Chronic: (Long Term Exposure) NO HUMAN CHRONIC EFFECTS KNOWN. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS.

Primary Routes of Entry: [] Inhalation, [] Ingestion, [X] 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 WITH PLENTY OF WATER FOR SEVERAL MINUTES.
Skin Contact: WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES.
Ingestion:

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GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC NTP OSHA ACGIH Other

VOC CONTENT: 5.2% BY WEIGHT; 55.7 G/L

ALKALI SILICATE
NO TOXICITY DATA AVAILABLE.

GRAPHITE
NO TOXICITY DATA AVAILABLE.

PROPANE/ISOBUTANE MIXTURE
NO APPARENT ILL EFFECTS IN BREATHING CONCENTRATIONS OF 5% FOR 2 HOURS. 4.
CAUSES DROWSINESS IN SHORT TIME IN CONCENTRATIONS OF 1%. 4.

PROPANE
NO TOXICITY DATA AVAILABLE

ISOBUTANE
IHL-RAT LC50: 57 PPH/15M 3.

Section VII - Reactivity Data

Stability

Stable Unstable

Conditions to Avoid:

AVOID HEAT, HOT SURFACES, SPARKS AND OPEN FLAMES.

Hazardous Polymerization

Will not occur May occur

Conditions to Avoid:

N/A.

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; STRONG ACIDS.

Hazardous Decomposition Products:

OXIDES OF CARBON.

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled:

DUE TO THE NATURE OF THE AEROSOL PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, WEAR APPROPRIATE PROTECTIVE CLOTHING, VENTILATE THE AREA, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. USE CARE AS SPILLS MAY BE SLIPPERY.

Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. TYPICAL DISPOSAL IS TO WRAP THE EMPTY AEROSOL CONTAINER IN SEVERAL LAYERS OF NEWSPAPER AND DISPOSE OF IN THE TRASH. AEROSOL RECYCLING PROGRAMS ARE AVAILABLE IN MANY AREAS. DO NOT PUNCTURE OR INCINERATE THIS CONTAINER.

Neutralizing Agent:

NONE KNOWN.

Section IX - Special Protection Information

Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF VAPORS OR MISTS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

Respiratory Protection:

A NIOSH/MSHA APPROVED RESPIRATOR FOR EXPOSURE ABOVE THE ACGIH TLV OR OSHA PEL OR WHERE MISTING EXISTS.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN.

Eye Protection:

SAFETY GLASSES IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

Other Protection:

WEAR GENERAL-DUTY WORK CLOTHES AND SHOES.

Section X - Storage and Handling Information

Storage Temperature

Max: 120°F Min: 35°F

Storage Conditions

Indoors Outdoors Heated Refrigerated

Precautions to be Taken in Handling and Storing:

CONTENTS UNDER PRESSURE. DO NOT USE OR STORE NEAR HEAT, HOT SURFACES, SPARKS OR OPEN FLAME. DO NOT PUNCTURE OR INCINERATE THIS CONTAINER. EXPOSURE TO TEMPERATURES ABOVE 120°F/49°C MAY CAUSE BURSTING. NOTE: VEHICLE INTERIORS OFTEN EXCEED 120°F/49°C DURING WARM MONTHS.

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

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. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2002. 2. OSHA PEL. 3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2002. 4. VENDOR'S MSDS. 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:ASPHYXIAN, PNOS:PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMN:HUMAN
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