

MATERIAL SAFETY DATA SHEET: LOK-CEASE BRUSH TOP

Section I - General Information

(000000-000000- - 5901)

Date of Issue:

1/21/2008 12:00:00 AM

Chemical Name & Synonyms:

N/A

Chemical Family:

ALUMINUM/PETROLEUM BLEND

Manufacturer Name:

CERTIFIED LABS, DIV. OF NCH CORP.

Manufacturer Address:

BOX 152170

IRVING, TEXAS 75015

Prepared By:

M McDowell/Chemist

Supersedes:

5/4/2006 12:00:00 AM

Trade Name & Synonyms:

LOK-CEASE BRUSH TOP

Formula is a mixture: [✓]

Product Code Number:

5901

Emergency Phone Number:

800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)

PROPYLENE GLYCOL
SEVERELY HYDROTREATED HEAVY NAPHTHENIC PETROLEUM DISTILLATE
ALUMINUM FLAKE
STODDARD SOLVENT
ANTHOPHYLLITE (NONASBESTIFORM)
SERPENTINE (ANTIGORITE, LIZARDITE)
TALC
TREMOLITE (NONASBESTIFORM)
BENTONITE
\$ OIL MIST VALUE
* PNOs

Hazard	TLV	PEL	STEL	CAS #
IRRITANT	N/E 1	N/E 2	N/E	57-55-6
IRRITANT	5 MG/M3 \$1	5 MG/M3 \$2	10 MG/M3\$1	64742-52-5
IRRITANT	10 MG/M3 1	15 MG/M3 2	N/E	7429-90-5
IRRITANT	100 PPM 1	500 PPM 2	N/E	8052-41-3
IRRITANT	3 MG/M3 *1	5 MG/M3 *2	N/E	17068-78-9
IRRITANT	3 MG/M3 *1	5 MG/M3 *2	N/E	12135-86-3
IRRITANT	2 MG/M3 1	20 MPCCF 2	N/E	14807-96-6
IRRITANT	3 MG/M3 *1	5 MG/M3 *2	N/E	14567-73-8
IRRITANT	3 MG/M3 *1	5 MG/M3 *2	N/E	1302-78-9

Section IIa - Non-Hazardous Ingredients

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

Secret Registry #: 409363 - 5064P

Section III - Physical Data

Boiling Point (°F):>550°
Vapor Pressure (mm Hg):0.29
Vapor Density (Air=1):11.3
pH @ 100% :N/A
% Volatile by Volume:5.7
H₂O Solubility:NEGLIGIBLE

Specific Gravity (H₂O=1):1.13
Color:GRAY
Odor:PETROLEUM
Clarity:OPAQUE
Evaporation Rate (BuAc=1):0.07
Viscosity:VISCIOUS

Section IV - Fire and Explosion Hazard

Flash Point: 300°F
Flammable Limits: PRODUCT MIXTURE
LEL: 0.9%

Method Used: T.C.C.
UEL: 17.4%
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: 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. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

Unusual Fire and Explosion Hazards:

THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. USE CARE AS SPILLS MAY BE SLIPPERY.

Section V - Health and Hazard Data

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

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 ITCHING AND REDNESS. MAY CAUSE ALLERGIC SKIN REACTION SEEN AS DELAYED SKIN RASH WHICH MAY BE FOLLOWED BY BLISTERING, SCALING, AND OTHER SKIN EFFECTS. PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFATTING, AND CRACKING OF THE SKIN AND POSSIBLE GRANULOMA FORMATION FROM PROLONGED CONTACT WITH OPEN WOUNDS. INHALATION: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. EXCESSIVE INHALATION OF FUMES FROM MANY METALS MAY PRODUCE AN ACUTE REACTION KNOWN AS "METAL FUME FEVER." SYMPTOMS CONSIST OF CHILLS AND FEVER (SIMILAR TO FLU SYMPTOMS). AT LOW VAPOR CONCENTRATIONS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, DROWSINESS, WEAKNESS, UNCONCIOUSNESS, POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION, AND MAY BE FATAL. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA.

Chronic: (Long Term Exposure)

ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO OIL MIST POSES A RISK OF CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH AND COUGHING ARE THE MOST COMMON SYMPTOMS. ASPIRATION MAY LEAD TO PULMONARY EDEMA AND HEMORRHAGE AND MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATION AND HEART RATES AS WELL AS A BLuish DISCOLORATION OF THE SKIN. CHRONIC SKIN CONTACT MAY PROMOTE DERMATITIS AND OIL ACNE. IN RARER CASES, AN INCREASED SENSITIVITY TO SUNLIGHT (PHOTOSENSITIVITY) MAY OCCUR. PROLONGED EXPOSURE TO EXCESSIVE AIRBORNE

MATERIAL SAFETY DATA SHEET: LOK-CEASE BRUSH TOP

CONCENTRATIONS OF TALC CAN RESULT IN SCARRING OF THE LUNGS(PNEUMOCONIOSIS) OR THE COVERING OF THE LUNGS (PLEURAL THICKENING). PNEUMOCONIOSIS MAY PRODUCE SYMPTOMS OF COUGH OR SHORTNESS OF BREATH. PLEURAL THICKENING USUALLY PRODUCES NO SYMPTOMS. BRONCHIAL IRRITATION MAY CAUSE SPUTUM PRODUCTION. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, DERMATITIS, AND PRE-EXISTING KIDNEY DISEASES. TARGET ORGANS: BLOOD-FORMING ORGANS, LUNGS, KIDNEYS, CENTRAL NERVOUS SYSTEM. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

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 WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Skin Contact:
WIPE AWAY MATERIAL WITH A CLOTH WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS. CLEAN CLOTHING AND SHOES.

Ingestion:
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: 2.5% BY WEIGHT, 3.2% BY VOLUME, 28.3 G/L

PROPYLENE GLYCOL
ORL-RAT LD50: 20 GM/KG 3.
IHL-RAT TCLO: 2180 MG/M3/6H/90D-I 3.
SKN-RBT LD50: 20800 MG/KG 3.
SKN-HMN SDT: 104 MG/3D (INTERMITTENT); MODERATE 3.
EYE-RBT SDT: 500 MG/24H MILD 3.

SEVERELY HYDROTREATED HEAVY NAPHTHENIC PETROLEUM DISTILLATE
ORL-RAT LD50: >5 G/KG 4.
SKN-RBT LD50: >2 G/KG 4.
SKN-RBT SDT: 500 MG SEVERE 3.

MINERAL OIL AND HYDROCARBON MISTS DERIVED FROM HIGHLY REFINED OILS AND PETROLEUM DISTILLATES ARE REPORTED TO HAVE LOW ACUTE AND SUB-ACUTE TOXICITIES IN ANIMALS. EFFECTS FROM SINGLE AND SHORT-TERM REPEATED EXPOSURES TO HIGH CONCENTRATIONS WELL ABOVE APPLICABLE WORKPLACE EXPOSURE LEVELS INCLUDE LUNG INFLAMMATORY REACTION, LIPOID GRANULOMA FORMATION, AND LIPOID PNEUMONIA. IN ACUTE AND SUB-ACUTE STUDIES INVOLVING EXPOSURES TO LOWER CONCENTRATIONS AT OR NEAR CURRENT WORK PLACE EXPOSURE LEVELS PRODUCED NO SIGNIFICANT TOXICOLOGICAL EFFECTS. IN LONG TERM STUDIES (UP TO TWO YEARS) NO CARCINOGENIC EFFECTS HAVE BEEN REPORTED IN ANY ANIMAL SPECIES TESTED. THESE PETROLEUM DISTILLATES ARE SEVERELY HYDROTREATED, SEVERELY SOLVENT EXTRACTED, AND/OR PROCESSED BY MILD HYDROTREATMENT AND EXTRACTION. FOR THIS REASON, THEY ARE NOT CLASSIFIED AS CANCER HAZARDS. 3.

ALUMINUM FLAKE
IHL-RAT TCLO: 206 MG/M3/5H/30D-I 3.
IHL-HMN TCLO: 4 MG/M3/1Y-I 3.

STODDARD SOLVENT
ORL-RAT LD50: >5 GM/KG 3.
IHL-RAT LC: >5500 MG/M3/4H 3.
SKN-RBT LD50: >3 GM/KG 3.
EYE-RBT SDT: 500 MG/24H MOD 3.

HUMAN SKIN PATCH TESTS CONDUCTED WITH THE AROMATIC SOLVENT SHOWED A SIGNIFICANT DEGREEE OF IRRITATION AND INDICATED A PRONOUNCED PHOTOSENSITIZATION EFFECT. 4.

LABORATORY ANIMAL STUDIES HAVE SHOWN THAT PROLONGED AND REPEATED INHALATION EXPOSURE TO LIGHT HYDROCARBON VAPORS IN THE SAME NAPHTHA BOILING RANGE AS STODDARD SOLVENT CAN PRODUCE ADVERSE KIDNEY EFFECTS IN MALE RATS. HOWEVER, THESE EFFECTS WERE NOT OBSERVED IN SIMILAR STUDIES WITH FEMALE RATS AND MALE AND FEMALE MICE, AND IN LIMITED STUDIES WITH OTHER ANIMAL SPECIES. ADDITIONALLY, IN A NUMBER OF HUMAN STUDIES, THERE WAS NO CLINICAL EVIDENCE OF SUCH EFFECTS AT NORMAL OCCUPATIONAL LEVELS. IT IS THEREFORE UNLIKELY THAT THE KIDNEY EFFECTS OBSERVED IN MALE RATS HAVE SIGNIFICANT IMPLICATIONS FOR HUMANS EXPOSED AT OR BELOW THE RECOMMENDED VAPOR LIMITS IN THE WORKPLACE. 4.

ANTHOPHYLLITE (NONASBESTIFORM)
IHL-RAT TCLO: 11 MG/M3/1Y-I 3.

SERPENTINE (ANTIGORITE, LIZARDITE)
NO TOXICITY DATA AVAILABLE

TALC
SKN-HMN-SDT: 300 UG/3D (INTERMITTENT) MILD 3.
IHL-RAT TCLO: 18 MG/M3/6H/2Y-I 3.

NEW YORK STATE TALC HAS BEEN TESTED AS A WHOLE AND IN PARTS IN SEVERAL ANIMAL STUDIES WITH NO CARCINOGENIC ASSOCIATION DEMONSTRATED. EPIDEMIOLOGIC STUDIES IN HUMANS HAVE BEEN INTERPRETED IN CONFLICTING WAYS WITH NO CLEAR EVIDENCE OF AN INCREASED RISK IN LUNG TUMORS IN ASSOCIATION WITH EXPOSURE. HUMAN, ANIMAL AND IN-VITRO TESTS OF BASIC PRODUCT INGREDIENTS (TALC AND NONASBESTIFORM TREMOLITE) DO NOT SHOW A CARCINOGENIC EFFECT. 4.

TREMOLITE (NONASBESTIFORM)
NO TOXICITY DATA AVAILABLE

BENTONITE
ORL-RAT LD50: 20,000 MG/KG 4.
SKN-RBT SDT: NON IRRITATING 4.
EYE-RBT SDT: NON IRRITATING 4.

Section VII - Reactivity Data

Stability

☒ Stable

☐ Unstable

Conditions to Avoid:

NONE KNOWN.

Hazardous Polymerization

☒ Will not occur

☐ May occur

Conditions to Avoid:

N/A.

Incompatibility (Materials to Avoid):
STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH, CONCENTRATED HYDROGEN PEROXIDE, AND CALCIUM HYPOCHLORITE; ACIDS, BASES, ISOCYANATES, ALDEHYDES, KETONES, ACETYL GAS, MAGNESIUM, AND HALOGENATED COMPOUNDS.

Hazardous Decomposition Products:

OXIDES OF CARBON AND ALUMINUM; AMMONIA, ALDEHYDES, KETONES, AND VARIOUS UNIDENTIFIED HYDROCARBONS.

Section VIII - Spill Or Leak Procedures**Steps to be Taken if Material is Released or Spilled:**

WEAR APPROPRIATE PROTECTIVE CLOTHING. FOR LARGE SPILLS, SCOOP INTO A PROPERLY LABELED CONTAINER FOR REUSE OR DISPOSAL. FOR SMALL SPILLS, WIPE WITH A CLOTH AND TRANSFER ALL MATERIALS 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.

Neutralizing Agent:

N/A.

Section IX - Special Protection Information**Required Ventilation:**

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

Respiratory Protection:

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection:

WEAR PROTECTIVE CLOTHING WHEN HANDLING. REMOVE SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

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:**

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUES WHICH MAY EXHIBIT THE HAZARDS OF THE PRODUCT. TO AVOID POSSIBLE EXPLOSION DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND, OR EXPOSE EMPTY CONTAINERS TO HEAT, HOT SURFACES, SPARKS, OR OPEN FLAMES. SOME POROUS MATERIALS SUCH AS RAGS, PAPER, ETC. WHEN WETTED WITH THIS PRODUCT MAY UNDERGO SPONTANEOUS COMBUSTION.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. TRACES OF FREE PROPYLENE OXIDE MAY BE PRESENT IN THIS PRODUCT AND COULD ACCUMULATE IN THE HEADSPACE OF STORAGE AND TRANSPORT VESSELS.

Section XI - Regulatory Information

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Upper % Limit</u>
ALUMINUM FLAKE	7429-90-5	5

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, 2005. 2. OSHA PEL. 3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CcinfoWeb, 2005. 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, PNO:PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMN:HUMAN. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

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