LIFE PAINT COMPANY
EST. 1963

SAFETY DATA SHEET
LIFE DECK
CLEAR 2K URETHANE W/B
SATIN

DATE ISSUED :	9/21/2021
SDS REF. No :	2112/150

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LIFE DECK CLEAR SATIN 2K URETHANE

PRODUCT CODE: 2112 PART A
SYNONYMS:
CAS NUMBER:
PRODUCT USE: CLEAR COATING

MANUFACTURER
LIFE PAINT
12927 Sunshine Ave

Santa Fe Springs, CA,
562-944-6391

24 HR. EMERGENCY TELEPHONE NUMBER
CHEMTREC (US Transportation): (800)424-9300
CHEMTREC (International Transportation) : 1(202)483-7616

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE : Liquid
IMMEDIATE CONCERNS : May cause eye, skin and respiratory tract irritation. May cause asphyxiation, or brain, lung or other organ injury if inhaled, swallowed or absorbed by the skin.

POTENTIAL HEALTH EFFECTS

EYES : Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.
SKIN : Liquid may be irritating to the skin. Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash). Liquid not likely to be absorbed through the skin.
SKIN ABSORPTION : Liquid is moderately irritating to the skin. Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash). Liquid may be absorbed through the skin.
INGESTION : Ingestion may cause irritation and damage to mucous membranes.
INHALATION : Vapors may be irritating to the nose, throat, and respiratory tract. Prolonged inhalation may cause headaches or nausea.
CHRONIC : No chronic health concerns known.
CARCINOGENICITY :
This material is not currently known to have carcinogenic properties.
MUTAGENICITY :
This material is not know to have mutagenic effects on genetic material.

REPRODUCTIVE TOXITY

REPRODUCTIVE EFFECTS : This material is not known to cause any reproductive system damage.

TERATOGENIC EFFECTS :
This material is not known to contain any teratogenic substances.
IRRITANCY:
This material may cause irritation to the eyes, skin, and respiratory tract. Use correct PPE when handling this material.

CLASSIFICATION :

PICTOGRAMS :

SIGNAL WORD : WARNING

HAZARD STATEMENTS :
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS : P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

THE FORMULATION OF THIS PRODUCT DOES NOT CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM."

4. FIRST AID MEASURES

EYES : Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek medical aid if irritation persists.

SKIN : Flush skin with soap and water while removing contaminated clothing. If irritation occurs, seek immediate medical attention. Do not reuse clothing or shoes until thoroughly cleaned.

INGESTION : Do not induce vomiting, and seek immediate medical attention. Do not attempt to give any liquids if victim is unconscious.

INHALATION : Immediately remove victim to fresh air. If victim is not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

SYMPTOMS : No further relevant information available.

EFFECTS : No further relevant information available.

NOTES TO PHYSICIAN : If the victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) syrup of ipecac. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD : 200.00 PMCC

AUTO-IGNITION TEMPERATURE :

SUITABLE EXTINGUISHING MEDIA : Use water fog, "alcohol" foam, dry chemical, or CO2.

UNSUITABLE EXTINGUISHING MEDIA : None known.

FIRE FIGHTING PROCEDURES : Clear the fire area of unprotected personnel. Do not enter confined fire space without full bunker gear; including a positive pressure NIOSH approved SCBA. Cool fire exposed containers with water. If water is used, fog nozzles are preferred.

UNUSUAL FIRE AND EXPLOSION HAZARD : Material can splatter above 100C/212F. Dried product can burn.

COMBUSTION PRODUCTS : Unknown

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES : Ventilate area of leak or spill for at least 24 hours or until it has been declared safe. Stop the leak if there is no risk involved. Clean-up personnel require protective clothing and respiratory protection from vapors. Absorb liquid with inert material. Only specially trained or qualified personnel should handle the emergency.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL : Keep material out of storm sewers and ditches which lead to waterways.

LAND SPILL : Contact applicable authorities and determine applicable regulations based on SDS information.

AIR RELEASE : Contact applicable authorities and determine applicable regulations based on SDS information.

PERSONAL PRECAUTIONS :
For non-emergency personnel:
PROTECTIVE EQUIPMENT : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

EMERGENCY PRECAUTIONS : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

METHOD OF CLEANING UP : Clean up spills immediately and dispose of waste safely.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING : Avoid Freezing. Avoid contact with bateria, fungus, or other microorganisms. Keep container closed when not in use to avoid skinning and microorganism contamination.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES : KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

OSHA TABLE COMMENTS:
NL = Not Listed

EXPOSURE LIMITS : None

ENGINEERING CONTROLS : Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE : Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

SKIN : Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

RESPIRATORY : If exposure may or does exceed occupational exposure limits (Section 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134, use either an atmosphere-suppling respirator or an air-purifying respirator for organic vapors.

WORK HYGIENIC PRACTICES : Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

OTHER USE PRECAUTIONS : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

COMMENTS : May be harmful or fatal if swallowed. May irritate body tissues. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : liquid milky

COLOR : clear

ODOR : mild

pH : 8.5 – 9.0

BOILING POINT : 212F

FREEZING POINT : N/A

VOLATILE ORGANIC COMPOUNDS: Coatings: 55.67 g/l Material: 16.62 g/l

(VOC Theoretical – As Packaged)

HAZARDOUS AIR POLLUTANTS (HAP's) : N/A

(HAP's Theoretical – As Packaged)

SOLUBILITY IN WATER : N/A

DENSITY (LB/GAL) **:** 8.68

EVAPORATION RATE : N/A

SPECIFIC GRAVITY : 1.04

10. STABILITY AND REACTIVITY

STABILITY : Yes

HAZARDOUS POLYMERIZATION : Will not occur.

CONDITIONS TO AVOID : Avoid Freezing

POLYMERIZATION : Avoid heat, flame, and other sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

INCOMPATIBLE MATERIALS : None known

POSSIBILITY OF HAZARDOUS REACTIONS : None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY VALUES :

TOXICOLOGICAL INFORMATION

LD50 Dermal	Rabbit - > 5,000 mg/kg
LD50 Oral	Rat - > 5,000 mg/kg

SIGNS AND SYMPTOMS OF OVEREXPOSURE : None identified

ACUTE EFFECTS :

EYE : Causes Serious Eye Irritation

SKIN : Causes skin irritation. Allergic reactions are possible.

INHALATION : Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

INGESTION : Harmful if swallowed.

TARGET ORGAN : Data Not Available

CHRONIC EFFECTS : Relevant data not available.

SYMPTOMS OF RELATED

PHYSICAL : Data Not Available

CHEMICAL : Data Not Available

TOXICOLOGICAL CHARACTERISTICS : Data Not Available

DELAYED AND IMMEDIATE EFFECTS : Data Not Available

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No further relevant information available

PERSISTENCE AND DEGRADABILITY : No further relevant information available

BIO-ACCUMULATIVE POTENTIAL : BP_BIAP

MOBILITY : No further relevant information available

OTHER ADVERSE EFFECTS : No further relevant information available

ECOLOGICAL INFORMATION

Aqua ammonia	
EC0	Daphnia magna (Water flea) - 101 mg/l - 48 h
EC50	Daphnia magna (Water flea) - > 1.000 mg/l - 96 h
LC50 Fish	- other fish - > 1.000 mg/l - 96 h

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

PRODUCT/PACKAGING DISPOSAL : The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

WASTE TREATMENT OPTIONS : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

WASTE CODE/WASTE DESIGNATIONS ACCORDING TO EWC/AVV : Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RECOMMENDATIONS : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SAFE HANDLING : Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

TECHNICAL NAME : Not regulated as a hazardous material by DOT.

UN NUMBER : N/A

UN PROPER SHIPPING NAME : N/A

TRANSPORT HAZARD CLASS : N/A

PACKING GROUP : N/A

MARINE POLLUTANT : N/A

SPECIAL PRECAUTIONS : N/A

***** Life Paint verifies that the material was supplied and shipped in the proper packages in accordance with DOT and federal regulations that are applicable to the mode of transportation selected. The shipper must verify that the packaging supplied is acceptable to be re-shipped in per the federal regulations applicable to the mode of transportation for reshipment. Regulations may change depending on mode of transportation selected.*****

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENRS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: This product is not listed.

FIRE : Yes **PRESSURE GENERATING :** No

REACTIVITY : No **ACUTE :** Yes **CHRONIC :** Yes

313 REPORTABLE INGREDIENTS: To the best of our knowledge, this product is not listed as a toxic chemical.

302/304 EMERGENCY PLANNING

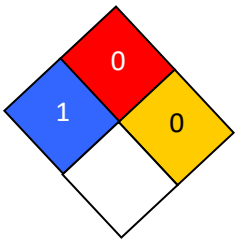
EMERGENCY PLAN: To the best of our knowledge, this product is not listed as a toxic chemical.

OTHER REGULATION : No Data Available

16. OTHER INFORMATION

HMIS RATING	
Health :	1
Flammability :	0
Reactivity :	0
Personal Protection :	B

NFPA CODES



REVISION INDICATOR : N/A

MANUFACTURER DISCLAIMER : To the best of our knowledge, all information, recommendations, and suggestions appearing herein concerning this product are taken from raw material sources or based upon data believed to be reliable. Although reasonable are has been taken in the preparation of this information Life Paint Company extends no guarantees, express or implied, makes no representations and assumes no responsibility as to the accuracy, reliability or completeness of the information presented. Sandbox Manufacturing Co. assumes no liability arising out of the use of the product by others.

Legend

ACGIH: American Conference of Governmental Industrial Hygienists

CAS No.: Chemical Abstract Service Registry Number
CERCLA: Comprehensive Environmental Response, Compensation and Liability Act (U.S. EPA)
CPR: Controlled Product Regulations (Canada)
DOT: Department of Transportation (U.S.)
EPA: Environmental Protection Agency (U.S.)
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
HEPA: High-Efficiency Particulate Air
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods code
LPP: Limité Permisible Ponderado (Chile)
NIOSH: National Institute of Occupational Safety and Health (U.S.)
NFPA: National Fire Protection Association (US)
NTP: National Toxicology Program (US)
OSHA: Occupational Safety and Health Administration (U.S.)
PEL: Permissible Exposure Limit
SARA: Superfund Amendments and Reauthorization Act (U.S. EPA)
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit (15 minute Time Weighted Average)
STOT: Specific Target Organ Toxicity (GHS Classification)
TLV: Threshold Limit Value
TSCA: Toxic Substances Control Act (U.S.)
TWA: Time Weighted Average (exposure for 8-hour workday)
U.S.: United States
VOC: Volatile Organic Compounds
WHMIS: Canadian Workplace Hazardous Materials Information System