

SURFACE MAX[®]

ARCHITECTURAL

SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements. This information should be given to all individuals who may come in contact with this material.

N.A. = NOT APPLICABLE N.E. = NOT ESTABLISHED

01 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME (s): ALP[®]SURFACE-MAX[®] ARCHITECTURAL

Description: Concrete Release Agent

SUPPLIER:

ALP Supply
300 Ben Fairless Drive
Fairless Hills, PA 19030
800.332.7090

EMERGENCY TELEPHONE:

(800) 424-9300
Call Chemtrec

02 HAZARD IDENTIFICATION

OSHA/HCS Status

This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Classification of the Substance or mixture

Aspiration hazard: Category 1

Flammable Liquids: Category 4

GHS Label Elements

Signal Word

Hazard Pictograms

Category 1



DANGER

Hazard Statement

May be fatal if swallowed and enters airways. May cause skin irritation. Causes eye irritation. May cause drowsiness or dizziness. Harmful if inhaled. Combustible liquid.

Precautionary statements

Prevention: Wash thoroughly after handling. Wear protective gloves/ eye protection/face protection. Avoid breathing gas/fumes/mist/ vapors. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Response: IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. In case of fire: Use carbon dioxide, foam, dry chemical, water fog, or halon to extinguish.

Storage: Store in a well-ventilated place. Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at the time of disposal.

Hazards not otherwise classified: None known

03 HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENT(S)	CAS – NO	WEIGHT%
Petroleum Distillates, hydrotreated light	64742-55-8	90 – 95
Non-hazardous Components with Exposure Limits		
Tall Oil Fatty Acids	61780-12-3	1 – 5

***All other materials in this product are classified as non-hazardous or below reportable concentrations and are not subject to reporting requirements.*

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04 FIRST-AID MEASURES

INHALATION: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, obtain medical attention. If operating conditions create airborne concentrations that exceed the exposure standard, the use of an approved NIOSH/OSHA respirator for organic vapors or air-supplied breathing equipment is recommended.

SKIN CONTACT/ABSORPTION: Wash skin thoroughly with soap and water for at least 10 minutes. Prolonged and repeated contact can defat the skin, which may result in dryness, dermatitis and cracking of the skin. Remove contaminated clothing. If irritation develops, seek medical attention. Launder contaminated clothing before reuse.

EYE CONTACT: Eye contact may result in irritation and redness. Exposure to high concentrations of vapors may be irritating to the eyes. Flush with large amounts of clear flowing water for at least 15 minutes. As a precaution remove any contact lenses, if worn. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If irritation persists, seek medical attention.

INGESTION: Do not ingest. Ingestion may result in nausea or stomach discomfort. Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do NOT induce vomiting. If spontaneous vomiting occurs, place the victim's head below knee level. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS/EFFECTS ACUTE AND DELAYED:
Defatting of skin

ADVICE FOR PHYSICIANS: Treat symptomatically and supportively.

PROTECTION FOR FIRST-AIDERS: No action shall be taken involving any personal risk without suitable training. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

05 FIRE FIGHTING MEASURES

FLASHPOINT: (Cleveland Open Cup) \geq 190° F

GENERAL FIRE HAZARDS: Flammability Class: Combustible III

FLAMMABLE LIMITS

LEL: Not determined

UEL: Not determined

AUTOIGNITION TEMPERATURE: Not expected to auto-ignite

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical, water fog, halon

UNSUITABLE EXTINGUISHING MEDIA: Do not use a solid water stream as it may scatter and spread the fire.

FIRE AND EXPLOSION HAZARDS: The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in a low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: A complex mixture of airborne solids, liquids, and gasses including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus with a full face-piece operated in the positive pressure demand mode when fighting fires. Do not enter confined fire space without the proper protective equipment. Cool containers exposed to flames with water until well after the fire is out. In case of fire and/or explosion do not breathe fumes.

06 ACCIDENTAL RELEASE MEASURES

Isolate area and limit access. Remove source of heat, sparks, and flame. Use spark-proof tools and explosion proof equipment. Avoid breathing vapor or mist. Stop source of leak if possible to do so without hazard. For small spill, dike area and take up using sand or other inorganic absorbent. For large spill, dike area ahead of spill, ventilate closed areas before entry. Take up using sand or other inorganic absorbent and place in containers for later disposal. Contaminated material may pose the same hazard as the spilled product. Prevent material from entering waterways, sewers, basements, or confined areas. If material does enter waterways, please contact the appropriate authorities immediately. Wear safety glasses, rubber gloves, Tyvek type over-alls and rubber boots.

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07 HANDLING AND STORAGE

Handling & Storage: Product should be handled and stored in accordance with industry accepted practices. Store in properly closed containers that are well labeled. Store in a dry, cool, and well ventilated area. Store away from heat, open flame, strong oxidizers, or other sources of ignition. Protect material from direct sunlight. Do not breathe dust/fume/gas/ vapors/mist/spray. Wear appropriate personal protective equipment. Always segregate materials by major hazard class. Keep containers closed when not in use. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Worker should wash face and hands before eating, drinking and smoking. Use explosion-proof electrical (ventilating, lighting and material handling equipment). Use only non-sparking tools. Take precautionary measures against electrostatic discharge. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.

08 EXPOSURE CONTROLS AND PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

U.S. OSHA TABLE Z-1 LIMITS FOR AIR CONTAMINANTS (29CFR 1910.1000)

Material	Type	Value	Form
Petroleum Distillates, hydrotreated light	TWA	500 ppm	Vapor
*Oil mist	PEL	5 mg/m ³	Mist

U.S. NIOSH POCKET GUIDE TO CHEMICAL HAZARDS

Material	Type	Value	Form
*Oil mist	TWA	5 mg/m ³	Mist
*Oil mist	PEL	10 mg/m ³	Mist

ACGIH OCCUPATIONAL EXPOSURE LIMITS

Material	Type	Value	Form
Petroleum Distillates, hydrotreated light	TWA	100 ppm	Vapor
Tall Oil Fatty Acids	TWA	5 mg/m ³	Oil mist; respirable
Tall Oil Fatty Acids	STEL	10 mg/m ³	Oil mist; respirable

ENGINEERING CONTROLS: Local exhaust at point of generation. Local or general exhaust required when using material at elevated temperatures, which accelerates generation of vapors. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

INHALATION PROTECTION: Adequate ventilation should be provided whenever the material is heated or mists are generated. If user generates an oil mist, determine if airborne concentrations are below exposure limit for an oil mist. If not, wear an approved respirator that provides adequate protection from measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

EYE PROTECTION: Use safety glasses with side shields or goggles.

SKIN PROTECTION: Chemical resistant gloves. If contact with forearms is likely wear gauntlet style gloves. Long sleeve cotton shirt and cotton pants are recommended. Wear appropriate footwear.

GENERAL HYGIENE CONSIDERATIONS: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned

09 CHEMICAL AND PHYSICAL INFORMATION

APPEARANCE AND ODOR: CLEAR TO LIGHT YELLOW LIQUID WITH SLIGHT PETROLEUM ODOR

Water Solubility: Negligible	Melting Point (oF): NA
Boiling Range (oF): Not determined	Specific Gravity (water=1): 0.821 – 0.821 at 60° F
Vapor Pressure (mmHg): NA	Flash Point ° F COC: ≥ 190°
Vapor Density (air=1): >1	Viscosity @ 100° F: 38 SUS
LB/Gal.: 6.94	Gravity, °API: 53

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10 STABILITY AND REACTIVITY

STABILITY: Stable under normal temperature and pressure. Not expected to be Explosive, Self-Reacting, Self-Heating, or an Organic Peroxide under US GHS Definition(s).

CONDITIONS TO AVOID: High temperature. Heat and open flames. "Empty" product containers may retain product residue. Do not pressurize, cut, braze, weld, heat, or expose to flame; they may explode and cause injury or death.

MATERIALS TO AVOID: Strong oxidizers.

HAZARDOUS DECOMPOSITION: Thermal decomposition is highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulate, and gases will evolve when this material undergoes pyrolysis or combustion. Oxides of carbon, low molecular weight hydrocarbons, and other unidentified organic compounds may be formed upon combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

- **Eye Contact:** May cause eye irritation.
- **Inhalation:** May be fatal if swallowed and enters airways. Vapors have a narcotic effect and may cause headache, fatigue, dizziness, nausea, and vomiting. Prolonged inhalation may be harmful.
- **Skin Contact:** Causes skin irritation. Frequent or prolonged contact may defat the skin, leading to discomfort and dermatitis.
- **Ingestion:** May be fatal if swallowed and enters airways. May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics: Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness, headache, nausea, and/or vomiting. Irritating to eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.

Information on toxicological effects

- **Acute Toxicity:** May be fatal if swallowed and enters airways. Narcotic effects. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.
- **Skin Corrosion/Irritation:** May cause skin irritation. May cause defatting of the skin. Prolonged contact may cause temporary irritation.
- **Serious Eye Damage:** May cause eye irritation.

Sensitization:

- **Respiratory:** Not a respiratory sensitizer.
- **Skin:** Not expected to cause skin sensitization.

Mutagenicity: No data available to indicate product of any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity: Not classified as hazardous by OSHA criteria.

Carcinogenicity: Not listed as carcinogenic by ACIGH, OSHA, NTP and IARC.

Aspiration hazard: Aspiration Hazard – Category 1. May be fatal if swallowed and enters airways.

U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not Listed

Specific target organ toxicity (single exposure): Not classified.

Specific target organ toxicity (repeated exposure): Not classified.

Chronic Effects: Prolonged or repeated contact may cause drying, cracking, or irritation of the skin. Prolonged inhalation may be harmful.

12 ECOLOGICAL INFORMATION

ECOTOXICITY: Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Aquatic Fish:

- Distillates (petroleum), hydrotreated light (CAS# 64742-47-8)
 - **LC50:** Rainbow trout, Donaldson trout (*Oncorhynchus mykiss*), 2.9 mg/l, 96 hours
- Tall Oil Fatty Acids (CAS# 61790-12-3)
 - **LC50:** Zebra danio (*Danio rerio*), >10,000 mg/l, 96 hours

Aquatic Algae:

- Tall Oil Fatty Acids (CAS# 61790-12-3)
 - **EC50:** Green algae (*Selenstrum capricornutum*), >1000 mg/l, 72 hours, growth rate

Invertebrate:

- Tall Oil Fatty Acids (CAS# 61790-12-3)
 - **EC50:** Water flea (*Daphnia magna*), >1000 mg/l, 48 hours

Bacteria:

- Tall Oil Fatty Acids (CAS# 61790-12-3)
 - **EC50:** Bacteria (*Pseudomonas putide*), >10,000 mg/l, 16 hours, growth rate

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PERSISTENCE & DEGRADABILITY: Inherently biodegradable.

BIOACCUMULATIVE POTENTIAL: Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

MOBILITY IN SOIL: Not Available.

OTHER ADVERSE EFFECTS: No other adverse effects are expected.

AQUATIC RELEASE: Advise authorities if product has entered or may enter watercourses or sewer drains.

13 DISPOSAL INFORMATION

The generation of waste should be avoided or minimized whenever 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. Observe Federal, State, and Local regulations covering chemical waste spills.

14 TRANSPORTATION INFORMATION

DOT Bulk:

- UN Proper shipping name: UN 1268, Petroleum Distillates, N.O.S., Combustible Liquid, PG III

DOT Non-bulk:

- Not regulated in a container less than 119 gallons.

15 REGULATORY INFORMATION

EPA VOC COMPLIANT

CERCLA SECTIONS 102A / 103 HAZARDOUS SUBSTANCES (40 CFR PART 302.4): Not listed.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR PART 344): Not Listed

SARA TITLE III SECTION 311 / 312 HAZARDOUS CATEGORIZATION (40 CFR 370): Yes

SARA TITLE III SECTION 311/312 MSDS Distribution – Chemical Inventory – hazard identification:

- **Superfund Amendments and Reauthorization Act of 1986 (SARA):**
 - **Hazard categories:**
 - Physical Hazards- Flammable (Combustible)
 - Health Hazards – Aspiration Hazard.

SARA TITLE III SECTION 313 (40 CFR PART 372): Not Regulated

U.S. FEDERAL REGULATIONS: This product is a “Hazardous Chemical as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

U.S. EPA INVENTORY (TSCA 8b): All ingredients listed on inventory or exempted.

Other Federal Regulations

- Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) list: Not regulated.
- Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40CFR 68.130): Not Regulated
- Safe Water Drinking Act (SDWA): Not regulated
- California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)
 - This product does not contain chemical(s) known to the State of California to cause cancer or birth defects.

16 OTHER INFORMATION

HMIS RATINGS: Health: 1 Flammability: 1 Physical Hazards: 0

The information contained herein is based on data believed to be reliable and the manufacturer disclaims any liability incurred from the use or reliance upon the same. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This safety information is not a license to use this material as claimed by any patents of third parties. The user alone must fully determine whether a contemplated use of this material will infringe on any such patents, and for obtaining and required licenses.

Date Prepared: 02/01/2021

Supersedes: NA

Approval Date: TDB

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