1. Product and Company Identification

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Chemwatch Emergency Response International **+1 855 237 5573**
See Section 16 for Local Emergency Response Telephone Numbers

Product Identifier:	PHALANX®
Synonyms:	Synthetic Functionalized Bitumen Additive Surface Active Agent
Chemical Family:	Mix of Functionalized Oligomeric Molecules
Recommended Use:	Asphalt or Bitumen Additive
Restrictions on Use:	For use only in asphalt or bitumen binder or in asphalt paving mixtures

2. Hazards Identification

Classification of the Substance:
Based on available data this substance / mixture does not meet the classification criteria.

Pictogram: No Hazard Pictogram required.

Signal Word: No Signal Word required.

Hazard Statement(s):
Not classified as a Physical, Health, or Environmental Hazard under GHS criteria.

Precautionary Statement(s):
No Precautionary Statements as required under GHS criteria.

Hazards Not Otherwise Classified:	
EMERGENCY OVERVIEW:	Non-toxic. Not readily absorbed. Will cause burns when molten.
Potential Health Effects:	
Skin Contact:	Mild irritant. Will blister skin when molten
Eye Contact:	When molten will cause cornea damage – always wear goggles
Inhalation:	Hot fumes and vapors may cause irritation to the nose and throat
Ingestion:	Unlikely, but if happens, possible bowel irritant

HMIS Ratings (Scale of 1 to 4)	Health: 1	Fire: 1	Reactivity: 1	Special: N/A
NFPA Ratings (Scale of 1 to 4)	Health: 1	Fire: 1	Reactivity: 1	Other: N/A

3. Composition/Information on Ingredients

Ingredient Name	CAS Number:	EC Number:	Weight %
Polypropylene Oligomer	9003-07-0	618-352-4	20 – 70%
Polyacrylamide Oligomer	9003-05-8	231-545-4	10-20%
Nylon Oligomer	25038-54-4	607-506-6	10 – 40%

4. First Aid Measures	
Skin Contact:	Wash with soap and water. If in contact with molten material, submerge injured area in cold water. Do not attempt to remove material adhering to the skin. Get medical attention if irritation develops or persists.
Eye Contact:	Flush with copious amounts of water – do not rub against eyes. Get medical attention if irritation develops.
Inhalation:	Remove to fresh air. Clear nasal and bronchial tract and administer oxygen. Get medical attention if irritation develops or persists.
Ingestion:	Give patient milk to drink and refer to physician immediately
Notes to Physician:	Treat symptomatically
Acute Symptoms / Effects	Cooled product may irritate the respiratory tract (nose, throat, and lungs), eyes, and skin. For hot product: Fatal if inhaled, thermal burns.
Delayed Symptoms / Effects	No information on significant adverse effects
Indication of Immediate medical attention and special treatment	N/A

5. Fire Fighting Measures	
Flash Point: (COC)	N/A
Suitable Extinguishing Media:	Foam, Carbon Dioxide, Dry Chemical
Unsuitable Extinguishing Media:	Avoid use of water
Fire Fighting Instructions:	Remove container from fire area if possible. Do not scatter spilled material with high-pressure water stream. Avoid inhalation of vapors. Wear self-contained breathing apparatus for firefighting, if necessary.
Specific Hazards:	
Fire and Explosion Hazard:	Presents no particular fire or explosion hazard. If dust is formed and suspended, it may present a risk of explosion.
Products of Combustion:	Thermal decomposition may produce: Carbon Dioxide, Carbon Monoxide, Water Vapor.

6. Accidental Release Measures	
Emergency Procedures: Personal Evacuation and Safety:	Evacuate all persons away from incident and allow only rescue persons with full respiratory gear (oxygen masks) into location if needed. Avoid breathing dust. Avoid dust formation. Take precautionary measures against static discharges.
Environmental Precautions: Containment of Spill:	Prevent discharge of large quantities to drain or water courses. Contain spilled molten materials with sand, sandbags or similar.
Clean-up and Disposal:	Scoop spillage into suitable containers and send to approved waste disposal site.
Personal Protective Equipment (PPE):	
Eyes:	Goggles
Hands and Feet:	Hands – PVC Gloves. Feet – Covered with socks and shoes
Body:	Full-body cover overalls plus PVC apron.
Respiratory:	When handling molten liquid, use charcoal canister respirator

7. Handling and Storage	
Safe Handling:	Use PVS Gloves, Dust Mask and Goggles at all times. Avoid breathing dust from this material.
Safe Storage:	Store under cover at ambient temperature.
Incompatibilities:	Water. Avoid direct sun light and rain.

8. Exposure Controls/Personal Protection	
Exposure Parameters:	Follow the exposure limits for Carbon Dioxide gas exposure levels.
Engineering Controls:	Use in well-ventilated area with good air flow/extraction.
Protection Measures:	Ensure that eyewash stations and safety showers are proximal to the work-station location.

9. Physical and Chemical Properties	
Appearance Description:	Flake or granules at room temperature
Odor:	None
Odor Threshold:	Not known
Initial Boiling Point and Boiling Range:	N/A
Softening/Melting Point:	120˚C to 140˚C
Specific Gravity (H_2O=1):	0.90-0.95
pH:	N/A
Evaporation Rate:	Not known
Water Solubility:	Negligible
Vapor Density (air = 1)	Not known
Vapor Pressure:	Not known
Relative Density:	Not known
Solubility:	Not known
Partition Coefficient:	Not known
Freezing Point:	N/A
Flash Point:	N/A
Lower/upper Flame Limits:	Not determined
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not known
Viscosity:	Not determined

10. Stability and Reactivity	
Chemical Stability:	Stable at recommended usage and storage conditions
Reactivity:	Keep away from strong oxidizing and reducing agents
Incompatible Materials:	None known but recommend keep away from strong oxidizing and reducing agents. Keep away from moisture
Conditions to avoid:	Direct sunlight and rain
Hazardous decomposition:	Carbon Monoxide, Carbon Dioxide, Nitrogen Oxide

11. Toxicological Information			
Toxicity Data:	No data available		
Carcinogen status	OSHA – none known	NTP – none known	IARC – none known

12. Ecological Information	
Not determined but material is considered inert. Prevent entrance of spills into any aquatic system.	
Ecotoxicity:	No data available
Persistence and Degradability:	No data available
Bio-accumulative Potential:	No data available
Mobility in Soil:	No data available
Other Adverse Effects:	No data available

13. Disposal Information
Dispose of in compliance with local, state, federal and international regulations.

14. Department of Transportation (DOT) Transport Information	
Shipping Name:	KoolTEQ™
UN Number:	Not Regulated
UN proper shipping name:	Not Regulated
Hazard Class or Division:	Not Regulated
Packing Group:	Not Regulated
Environmental hazard(s):	Not Regulated
Labeling Requirements:	Not Regulated
Packing Authorizations:	
Exceptions:	Not Regulated
Non-Bulk Packing:	Not Regulated
Bulk Packing:	Not Regulated
Quantity Limitations:	
Passenger Aircraft:	Not Regulated
Cargo Aircraft Only:	Not Regulated
Vessel Stowage Requirements:	Not Regulated
Emergency Guide Number:	Not Regulated

15. Regulatory Information	
OSHA Process Safety:	Not Regulated
SARA Title III:	Not Regulated
TSCA Status:	Not Regulated
CERCLA:	Not Regulated
EINECS Status:	Not Regulated
California Proposition 65:	Not Regulated
WHMIS Classification	Not Regulated

16: Other Information

Chemwatch Emergency Response International **+1 855 237 5573**

Chemwatch Local Emergency Telephone Numbers:

Argentina: +54 11 6842 1116	Australia: +61 2 9186 1132	Austria: +43 800 281336
Belgium: +32 2 700 63 06	Brazil: +55 21 2018 1004	Bulgaria: +359 2 906 6310
Canada: +1 867 6702867	Chile: +56 42 2457 999	China: +86 769 8886 4656
Columbia: +57 6015143104	Denmark: +45 78 76 84 61	Estonia: +372 8840469
Finland: +358 75 3252482	France: +33 4 26 69 99 66	Germany: +49 32 211 121 704
Hungary: +36 1 779 9162	India: +91 800 0403 230	Ireland: +353 1 443 4289
Italy: +39 800 177 870	Japan: +81 50-3204-4966	Lithuania: +370 5 214 3027
Malaysia: +60 16 699 9010	Morocco: +1 424 364 1128	Netherlands: +31 70 262 0282
New Zealand: +64 800 700 112	Mexico: +52 55 4440c1956	Norway: +47 23 25 25 84
Poland: +48 22 208 6439	Portugal: +351 308 807 018	Russia: +7 499 505 15 59
Singapore: +65 3138 1227	Slovenia: +386 828 80514	South Africa: +27 21 813 6854
South Korea: +82 003084910204	Spain: +34 965 02 04 58	Sweden: +46 8 446 824 11
Switzerland: +41 44 551 4362	Taiwan: +886 2 2656 5404	Turkey: +90 800 621 2394
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