



## LAYKOLD MASTERS BOND-KOTE

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** LAYKOLD MASTERS BOND-KOTE  
**Revision Date:** 3/11/2021

**Supplier Details:** Advanced Polymer Technology  
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Harmony, PA 16037

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### 2 HAZARDS IDENTIFICATION

#### Classification of Substance

**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**  
Health, Serious Eye Damage/Eye Irritation, 2 A

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **WARNING**

#### GHS Hazard Pictograms:



#### GHS Hazard Statements:

H319 - Causes serious eye irritation

#### GHS Precautionary Statements:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P264 - Wash hands thoroughly after handling.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P337+313 - Get medical advice/attention.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
9003-55-8	40-70%	Benzene, ethenyl-, polymer with 1,3-butadiene
107-21-1	<1%	Ethylene glycol
7664-41-7	<5%	Ammonia (conc 20% or greater)
123-91-1	<0.01%	Dioxane
140-88-5	<0.01%	2-Propenoic acid, ethyl ester
67-56-1	<1%	Methanol

**General information:** Take affected persons out into the fresh air.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

**After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

**Most important symptoms and effects, both acute and delayed**

Nausea

Cramp

Dizziness

Coughing

**Hazards** No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

Treat skin and mucous membrane with antihistamine and corticoid preparations.

In cases of irritation to the lungs, initial treatment with cortical steroid inhalants.

Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

Nitrogen oxides (NO<sub>x</sub>)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Cool endangered receptacles with water fog or haze.

No further relevant information available.

**Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Ensure adequate ventilation

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable receptacles.

**Handling Precautions:**

Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.

**Storage Requirements:**

Information about fire - and explosion protection: No special measures required.

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

Store away from foodstuffs.

Do not store together with oxidizing and acidic materials.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Keep container tightly sealed.

**Engineering Controls:**

Educate and train employees in safe use of this product. Follow all label instruction. Local exhaust should be used to maintain levels below the TLV whenever this product is processed, heated or spray applied. For spray applications, an air-supplied respirator must be worn. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

**Personal Protective Equipment:**

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

Respiratory protection:

Not required under normal conditions of use.  
Use suitable respiratory protective device when aerosol or mist is formed.  
Use suitable respiratory protective device when high concentrations are present.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR  
Neoprene gloves

Eye protection:

Goggles recommended during refilling  
Safety glasses

Body protection: Protective work clothing

Limitation and supervision of exposure into the environment  
No further relevant information available.

Risk management measures

No further relevant information available.

**Ingredients with limit values that require monitoring at the workplace:****1308-38-9 dichromium trioxide**

IOELV (EU) 2 mg/m<sup>3</sup> as Cr

REL (USA) 0,5 mg/m<sup>3</sup> as Cr

TLV (USA) 0,5 mg/m<sup>3</sup> as Cr

EL (Canada) 0,5 mg/m<sup>3</sup> as Cr

**1333-86-4 carbon black (non-respirable with <0.1% PAH content)**

PEL (USA) 3,5 mg/m<sup>3</sup>

REL (USA) 3,5\* mg/m<sup>3</sup> (\*0,1 in presence of PAHs; See Pocket Guide Apps.A+C)

TLV (USA) 3\* mg/m<sup>3</sup> (\*inhalable fraction)

EL (Canada) 3 mg/m<sup>3</sup> IARC 2B

EV (Canada) 3,5 mg/m<sup>3</sup>

**107-21-1 ethanediol**

IOELV (EU) Short-term value: 104 mg/m<sup>3</sup>, 40 ppm / Long-term value: 52 mg/m<sup>3</sup>, 20 ppm / Skin

TLV (USA) Short-term value: C 100 mg/m<sup>3</sup> / H

EL (Canada) Short-term value: C 100\* 20\*\* mg/m<sup>3</sup>, C 50\*\*\* ppm / Long-term value: 10\*\* mg/m<sup>3</sup>

\*Aerosol; \*\*Particulate; \*\*\*Vapour

**DNELs** No further relevant information available.

**PNECs** No further relevant information available.

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance:</b>	Pigmented Liquid	<b>Odor:</b>	Ammonia
<b>Physical State:</b>	Liquid		
<b>Specific Gravity or Density:</b>	1,26 g/cm <sup>3</sup>		
<b>Boiling Point:</b>	212 °F / 100 °C		

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
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<b>Chemical Stability:</b>	No decomposition if used and stored according to specifications.
<b>Conditions to Avoid identification:</b>	Store away from oxidizing agents.
<b>Materials to Avoid identification:</b>	Reacts with strong acids and oxidizing agents. Reacts with catalysts.
<b>Hazardous Decomposition:</b>	Poisonous gases/vapours Nitrogen oxides Carbon monoxide and carbon dioxide
<b>Hazardous Polymerization:</b>	Will not occur.

<b>11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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**Acute toxicity:**

**Primary irritant effect:**

**on the skin:** Slight irritant effect on skin and mucous membranes.

**on the eye:** Irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** The product is partially biodegradable. Significant residuals remain.

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

**Ecotoxicological effects:**

**Remark:** Due to mechanical actions of the product (e.g. agglutinations) damages may occur.

**Additional ecological information:**

**General notes:**

This statement was deduced from products with a similar structure or composition.

Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

**Uncleaned packaging:**

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

<b>UN-Number DOT, ADR, ADN, IMDG, IATA</b>	N/A
<b>UN proper shipping name DOT, ADR, ADN, IMDG, IATA</b>	N/A
<b>Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class</b>	N/A
<b>Packing group DOT, ADR, IMDG, IATA</b>	N/A
<b>Marine pollutant</b>	No
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation"</b>	---

Component (CAS#) [%] - CODES  
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Benzene, ethenyl-, polymer with 1,3-butadiene (9003-55-8) [40-70%] TSCA

RQ(5000LBS), Ethylene glycol (107-21-1) [<1%] CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

RQ(100LBS), Ammonia (conc 20% or greater) (7664-41-7) [<5%] CERCLA, CSWHS, EHS302, EPCRAWPC, MASS, NJEHS, NJHS, OSHAPSM, OSHAWAC, PA, SARA313, TSCA, TXAIR

RQ(100LBS), Dioxane (123-91-1) [<0.01%] CERCLA, HAP, MASS, NJHS, NRC, OSHAWAC, PA, PROP65, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

RQ(1000LBS), 2-Propenoic acid, ethyl ester (140-88-5) [<0.01%] CERCLA, HAP, MASS, NJHS, NRC, OSHAWAC, PA, PROP65, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

RQ(5000LBS), Methanol (67-56-1) [<1%] CERCLA, GADSL, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL



### WARNING

This product can expose you to chemicals including 1,4-Dioxane and Ethyl acrylate, which are known to the State of California to cause cancer, and Ethylene glycol (ingested) and Methanol, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Regulatory CODE Descriptions  
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RQ = Reportable Quantity

TSCA = Toxic Substances Control Act

CERCLA = Superfund Cleanup Substances

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHA = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

SARA313 = SARA 313 Title III Toxic Chemicals

TXAIR = TX Air Contaminants with Health Effects Screening Level

CSWHS = Clean Water Act Hazardous Substances

EHS302 = Extremely Hazardous Substance

EPCRAWPC = EPCRA Water Priority Chemicals

NJEHS = NJ Extraordinarily Hazardous Substances

OSHA = OSHA Chemicals Requiring Process Safety Management

NRC = Nationally Recognized Carcinogens

PROP65 = CA Prop 65

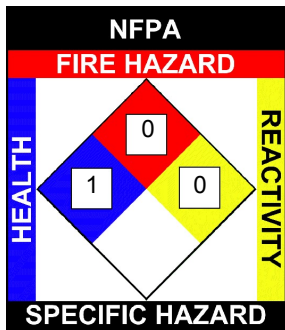
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)

TXHWL = TX Hazardous Waste List

GADSL = Global Automotive Declarable Substance List (GADSL)

**NFPA:** Health = 1, Fire = 0, Reactivity = 0, Specific Hazard = n/a

**HMIS III:** Health = 1, Fire = 0, Physical Hazard = 0



HMIS	
HEALTH	<input type="checkbox"/> 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	<input type="checkbox"/>

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision Date: 3/11/2021