



Safety Data Sheet D-Air

Revision date: March 19, 2021

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: D-Air
Synonyms: None
Chemical family: Air Detainer
Producer: Premiere Concrete Solutions
508 Cedar Street
Pioneer, Ohio 43554
www.bearcoat.net

Telephone: 419-737-9808 Available during normal business hours

Emergency: CHEMTREC 800-424-9300 Available 24 hours

Section 2. HAZARDS IDENTIFICATION

GHS Hazard Classification and Label Elements

WARNING— Harmful if swallowed

WARNING—Carcinogenicity

WARNING— Skin corrosion/irritation



Hazard Statements

H302 H315 H351

Harmful if swallowed

Causes skin irritation Suspected of causing cancer

Precautionary Statements

P202 Do not handle until all safety precautions have been read and understood.

P308+P313 If exposed or concerned, get medical advice.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P330 Rinse mouth

P302+P352 IF ON SKIN Wash with plenty of soap and water

P332+P313 If skin irritation occurs: Get medical advice/attention

P280 Wear protective gloves, protective clothing, eye and face protection (see Section 8)

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Material information: (Does not include non-GHS regulated ingredients)

Name	CAS No.	Weight %
Tributyl Phosphate	204-800-2	100

**Note: The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.*

*** The specific chemical identity is being withheld as a trade secret.*

Section 4. FIRST AID MEASURES

Inhalation: In case of inhalation, remove person to fresh air. Keep them quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes. Wash clothing before re-use. Get medical attention if irritation persists.

Ingestion: If swallowed, wash mouth thoroughly with plenty of water. Get medical attention immediately. NOTE: Never give an unconscious person anything to drink

Eye contact: Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Get medical attention immediately.

Section 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry chemicals, foam, water spray (fog)

Specific hazards: None

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate safety clothing and eye/face protection

Methods for Containment and Clean up Absorb on sand or vermiculite and place in closed container for disposal. Collect in suitable and properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

Section 7. HANDLING AND STORAGE

Handling:	Keep containers tightly closed. Avoid bodily contact
Storage:	Store in a dry, cool, well-ventilated area away from incompatible materials. Maximum recommended storage temperature of 65 degrees Celsius

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Wear ANSI approved safety glasses or goggles to protect eye

SKIN AND BODY PROTECTION: Use protective clothing impervious to this material

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Colorless
Odor:	None
Molecular weight:	Not available
pH:	N/A
Boiling point/range (5-95%):	180°C
Melting point/range:	-80°C
Decomposition temperature:	Not available
Specific gravity:	1.05
Vapor density:	Not available
Vapor pressure:	0.014 mmHg
Evaporation rate (Butyl acetate= 1):	Not available
Flash point, method used:	108°F/42°C
Water solubility:	1 g/l
VOC Content:	0 %
Auto-ignition temperature:	Not available
Flammable limits in air — lower (%):	Not applicable
Flammable limits in air — upper (%):	Not applicable

Section 10. STABILITY AND REACTIVITY

Stability: Material is stable and not sensitive to mechanical impact

Possibly hazardous reactions: Not known

Incompatible Materials: Strong oxidizers, strong acids and strong alkalis

Hazardous decomposition products: Carbon dioxide and carbon monoxide

Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Rat oral LD50

Rabbit dermal LD50 Dermal irritation (rabbit) Eye irritation (rabbit)

Dermal sensitization:

Not a sensitizer

Effects of overexposure:

Ocular

3160 mg/kg >4640 mg/kg Not irritant Mild irritation

May cause mild irritation to the eyes
Dermal May cause mild irritation to the skin

Sensitization:

Not a sensitizer

Inhalation

May irritate the upper respiratory tract

Mutagenicity

Not mutagenic by the Ames Test

In vivo Drosophila melanogaster test: not mutagenic

The product did not demonstrate mutagenic or genotoxic effects in various tests using mammalian cells.

Carcinogenicity

Not classified by IARC

Not included in NTP 11th Report on carcinogens

Data from a lifetime study in rats has shown an increased incidence of urinary Bladder tumors at a very high dose level. These tumors developed in response to long-term irritation of the bladder wall by cytotoxic metabolites which caused chronic irritation with subsequent abnormal growth during repair of the bladder wall. A recent risk assessment has shown no risk to human health from occupational exposure to tributyl phosphate.

Tributyl phosphate was administered in the diet of mice for 18 months at concentrations of 100, 1000, and 3500 ppm. The only treatment related change other than an increase in liver weight at 1000 and 3500 ppm was an increase in the incidence of benign liver tumors in the high dose males.

Reproductive Toxicity

In a two generation reproductive toxicity study, rats were dosed with tributyl phosphate at concentrations of 200, 700, or 3000 ppm (approximately 15, 53, 225 mg/kg/day). There were no adverse effect on fertility or reproduction at any dose. The NOEL was greater than 3000 ppm.

Developmental toxicity

In a developmental toxicity test, the product was not teratogenic or embryotoxic when administered orally to pregnant rats at levels up to 750 mg/kg/day. A decrease in fetal body weight was observed at the maternally toxic dose of 750 mg/kg/day. It was not maternally toxic, embryotoxic, fetotoxic or teratogenic when administered to pregnant rabbits at levels up to 150 mg/kg/day.

Neurotoxicity

There was no evidence that this material affected nervous system function and structure of rats following both acute (single dose) and subchronic (repeated dose over a 90 day period) exposure. This material is not considered neurotoxic based on these tests.

Other

This product is a weak cholinesterase inhibitor

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Data not available

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available

Section 13. DISPOSAL CONSIDERATIONS

Disposal considerations: The generation of waste should be avoided or minimized whenever possible. Recycle if possible. P501 Dispose in accordance with state/provincial, and local regulations.

Section 14. TRANSPORT INFORMATION

Please refer to DOT regulation 49 CFR 172.101:

Transport information: Not regulated for transport
Hazardous Materials Description: (DOT and IATA): None
UN/identification no.: None
Proper shipping name: None
Hazard class: None
Packing group: None
DOT reportable quantity (lbs.): None

Section 15. REGULATORY INFORMATION

U.S. federal regulatory information:

State and community right-to-know regulations:

The following component(s) of this material are identified on the regulatory lists below:

U.S. TSCA Chemical inventory Section 8(b), AICS (Australia), DSL (Canada): All components are listed or exempt.

OSHA — This product is determined to be hazardous as defined in the OSHA Hazard Communications Standard.

CERCLA Sections 102a/103 (40 FR 302.4):

This product is not classified as hazardous or reportable under this requirement.

Some Components of this product are listed in the following sections of SARA:

SARA Title III Section 302 — Not applicable

SARA Title III Section 304 — Not applicable

SARA Title III Section 313 — This product does not contain any chemical components with known CAS numbers that exceed the threshold (DE Minimis) reporting levels.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21)

Acute health hazard: Yes

Chronic health hazard: Yes

Fire hazard: No

Reactive Hazard: No

Pressure Hazard: No

Marine Pollutant: Not listed

State Regulations: Unknown

California Proposition 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

INTERNATIONAL REGULATIONS

Identification According to EEC Directives: Not available

WHMIS (Canada)

Not controlled.

NOTE: User must consult with applicable state and local agencies for special specifics, determinations or compliance obligations regarding this product.

Section 16. OTHER INFORMATION

The information and recommendations contained herein are based upon tests, data, and information resources believed to be reliable. However, Premiere Concrete Admixtures (Premiere) does not guarantee the accuracy or completeness, nor shall any of this information constitute a warranty, representation, or license of any kind, whether expressed or implied, as to the safety of goods, the merchantability of the goods or the fitness of the goods for a particular purpose. Premiere assumes no responsibility for injuries proximately caused by use of the Materials if reasonable safety procedures are not followed as stipulated in this Safety Data Sheet. Additionally, Premiere assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. The buyer assumes the risk in its use of the Material.