

### SAFETY DATA SHEET

#### Flamarest 1600 BTX1 260183-1

#### Section 1. Identification

GHS product identifier : Flamarest 1600 BTX1 260183-1

Other means of identification : 260183-1\_Flamarest 1600B TX

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

: FOR INDUSTRIAL USE ONLY

Supplier/Manufacturer : Akzo Nobel Coatings, Inc.

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USA

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CHEMTREC International +1 (703) 527-3887 (Outside the US, collect calls

accepted)

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Akzo Nobel Coatings Inc. encourages and expects you to read and understand this entire MSDS, as there is important information throughout the document. Further, Akzo Nobel Coatings Inc. expects you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

To promote safe handling, each customer or recipient should: 1) Notify its employees, agents, contractors, and others whom it knows or believes will use this material of the information contained in this MSDS and any other information regarding hazards and safety; 2) Furnish this same information to each of its customers for the product; 3) Request its customers to notify their employees, customers, and other users of the product of this information; and 4) Notify its employees, agents, contractors, and others that the precautions identified for this product and any other products with which mixtures may be created are transferable and cumulative to the mixture.

#### Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication

Standard (29 CFR 1910.1200).

Flamarest 1600 BTX1 260183-1 Page: 2/15

#### Section 2. Hazards identification

Classification of the substance or mixture

: FLAMMABLE LIQUIDS - Category 2

SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

SKIN SENSITIZATION - Category 1
AQUATIC HAZARD (ACUTE) - Category 3
AQUATIC HAZARD (LONG-TERM) - Category 2

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 71.7% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the

aquatic environment: 46.2%

**GHS** label elements

Hazard pictograms







Signal word : Danger

**Hazard statements** : Highly flammable liquid and vapor.

Causes serious eye irritation.

Causes skin irritation.

May cause an allergic skin reaction.

Toxic to aquatic life with long lasting effects.

**Precautionary statements** 

**Prevention**: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot

surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Avoid breathing vapor. Wash hands thoroughly after

handling.

**Response** : Collect spillage. IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical attention. 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 attention.

Storage : Store in a well-ventilated place. Keep cool.

Disposal : Dispose of contents and container in accordance with all local, regional, national

and international regulations.

Other hazards which do not

: None known.

result in classification

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

**Hazardous ingredients** 

Flamarest 1600 BTX1 260183-1 Page: 3/15

#### Section 3. Composition/information on ingredients Ingredient name / Chemical name % **CAS** number reaction product: bisphenol-A-(epichlorhydrin); epoxy resin 10 - 25 25068-38-6 acetone 10 - 25 67-64-1 Polyphosphoric acids, ammonium salts 10 - 25 68333-79-9 diethyl bis(2-hydroxyethyl)aminomethylphosphonate 10 - 25 2781-11-5 1 - 2.5 titanium dioxide 13463-67-7 ammonium sulphate 0 - 1 7783-20-2 Formaldehyde, solution 0 - 1 50-00-0

Occupational exposure limits, if available, are listed in Section 8.

#### Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10

minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person

may need to be kept under medical surveillance for 48 hours.

**Skin contact**: Wash with plenty of soap and water. Remove contaminated clothing and shoes.

Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing

before reuse. Clean shoes thoroughly before reuse.

**Ingestion**: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air

and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such

as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects

may be delayed following exposure.

**Skin contact** : Causes skin irritation. May cause an allergic skin reaction.

**Ingestion** : Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Flamarest 1600 BTX1 260183-1 Page: 4/15

#### Section 4. First aid measures

**Eye contact** : Adverse symptoms may include the following:

pain or irritation watering

redness

Inhalation : No specific data.

**Skin contact** : Adverse symptoms may include the following:

irritation redness

**Ingestion** : No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It

may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear

gloves.

#### See toxicological information (Section 11)

### Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing media

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

Unsuitable extinguishing

media

: Do not use water jet.

Specific hazards arising from the chemical

: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides halogenated compounds metal oxide/oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk.

Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure

mode.

Flamarest 1600 BTX1 260183-1 Page: 5/15

#### Section 6. Accidental release measures

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

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

#### Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

#### Precautions for safe handling

**Protective measures** 

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Flamarest 1600 BTX1 260183-1 Page: 6/15

### Section 7. Handling and storage

## Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Section 8. Exposure controls/personal protection

#### **Control parameters**

#### Occupational exposure limits

Ingredient name	Exposure limits
acetone	ACGIH TLV (United States, 3/2015). STEL: 500 ppm 15 minutes. TWA: 250 ppm 8 hours.
titanium dioxide	ACGIH TLV (United States, 3/2015). TWA: 10 mg/m³ 8 hours.
Formaldehyde, solution	ACGIH TLV (United States, 3/2015). Skin sensitizer. Inhalation sensitizer. C: 0.37 mg/m³ C: 0.3 ppm

### Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

#### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Flamarest 1600 BTX1 260183-1 Page: 7/15

### Section 8. Exposure controls/personal protection

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk

assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash

goggles.

**Skin protection** 

Other skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should

be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately

estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task

being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static

discharges, clothing should include anti-static overalls, boots and gloves.

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be

approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved

standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and

the safe working limits of the selected respirator.

### Section 9. Physical and chemical properties

#### **Appearance**

Physical state : Liquid.

Color : Beige.

Odor : Solvent.

Odor threshold : Not available.

pH : Not available.

Melting/freezing point : Not available.

Boiling point : 56°C (132.8°F)

boiling range : Not available.

Flash point : Closed cup: -17°C (1.4°F)

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Upper/lower flammability or explosive limits

Upper: : Not determined.Lower: : Not determined.: Not available.

Vapor pressure : Not available.
Vapor density : Not available.

Relative density : 1.2

Flamarest 1600 BTX1 260183-1 Page: 8/15

### Section 9. Physical and chemical properties

Density : 10.01 lbs/gal 1.2 g/cm<sup>3</sup>

Solubility : Not available.

Solubility in water : Not available.

Partition coefficient: n- : Not available.

octanol/water

**Auto-ignition temperature** : Not available. **Decomposition temperature** : Not available.

Viscosity : Kinematic (room temperature): 13.33 cm²/s (1333 cSt)

Regulatory VOC : 0.0668 lbs/gal (8 g/l) minus water and exempt solvents

### Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

Possibility of hazardous

reactions

products

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld,

braze, solder, drill, grind or expose containers to heat or sources of ignition.

**Incompatible materials** : Reactive or incompatible with the following materials:

oxidizing materials

Hazardous decomposition

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### **Section 11. Toxicological information**

#### Information on toxicological effects

#### **Acute toxicity**

·				
Product/ingredient name				
acetone	LD50 Oral	Rat	5800 mg/kg	-
diethyl bis(2-hydroxyethyl) aminomethylphosphonate	LD50 Oral	Rat	>5000 mg/kg	-
ammonium sulphate	LD50 Oral	Rat	2840 mg/kg	-
Formaldehyde, solution	LD50 Dermal	Rabbit	270 mg/kg	-
	LD50 Oral	Rat	100 mg/kg	-

#### Irritation/Corrosion

Flamarest 1600 BTX1 260183-1 Page: 9/15

# Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 microliters	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 milligrams	-
acetone	Eyes - Mild irritant	Human	-	186300 parts	-
	Eyes - Mild irritant	Rabbit	-	10 microliters	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	=
	Eyes - Severe irritant Skin - Mild irritant	Rabbit Rabbit	-	20 milligrams 24 hours 500	
		Rabbit	-	milligrams	-
	Skin - Mild irritant	Rabbit	-	395 milligrams	-
diethyl bis(2-hydroxyethyl) aminomethylphosphonate	Eyes - Mild irritant	Rabbit	-	0.1 Mililiters	-
titanium dioxide	Skin - Mild irritant	Human	-	72 hours 300 Micrograms	-
Formaldehyde, solution	Eyes - Mild irritant	Human	-	Intermittent 6 minutes 1 parts per million	-
	Eyes - Severe irritant	Rabbit	-	24 hours 750 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	750 Micrograms	-
	Skin - Mild irritant	Human	-	72 hours 150 Micrograms Intermittent	-
	Skin - Mild irritant	Rabbit	-	540	-
	Skin - Moderate irritant	Rabbit	-	milligrams 24 hours 50	-
	Skin - Severe irritant	Rabbit	-	milligrams 24 hours 2	-
	Skin - Severe irritant	Human	-	milligrams 0.01 Percent	-

#### **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

Flamarest 1600 BTX1 260183-1 Page: 10/15

### **Section 11. Toxicological information**

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
acetone	Category 3	Not applicable.	Narcotic effects

#### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Not available.

**Information on the likely** : Not available.

routes of exposure

Potential acute health effects

**Eye contact** : Causes serious eye irritation.

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects

may be delayed following exposure.

**Skin contact** : Causes skin irritation. May cause an allergic skin reaction.

**Ingestion** : Irritating to mouth, throat and stomach.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:

pain or irritation watering

redness

Inhalation : No specific data.

**Skin contact** : Adverse symptoms may include the following:

irritation redness

**Ingestion** : No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

#### Potential chronic health effects

Not available.

Flamarest 1600 BTX1 260183-1 Page: 11/15

### **Section 11. Toxicological information**

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed

to very low levels.

Carcinogenicity: No known significant effects or critical hazards.Mutagenicity: No known significant effects or critical hazards.Teratogenicity: No known significant effects or critical hazards.Developmental effects: No known significant effects or critical hazards.Fertility effects: No known significant effects or critical hazards.

#### **Numerical measures of toxicity**

#### **Acute toxicity estimates**

Not available.

### **Section 12. Ecological information**

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
acetone	Acute EC50 20.565 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute LC50 6000000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 10000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5600 ppm Fresh water	Fish - Poecilia reticulata	96 hours
	Chronic NOEC 4.95 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0.1 ml/L Fresh water	Daphnia - Daphnia magna -	21 days
		Neonate	
	Chronic NOEC 5 µg/l Marine water	Fish - Gasterosteus aculeatus -	42 days
Delimberabania asida	A	Larvae	40 haven
Polyphosphoric acids,	Acute EC50 90890 to 1036000 μg/l	Daphnia - Daphnia magna -	48 hours
ammonium salts	Fresh water	Neonate	00 haves
	Acute IC50 10000 μg/l Fresh water	Algae - Pseudokirchneriella	96 hours
		subcapitata - Exponential	
	Acute I CEO 70000 ug/l Freeh weter	growth phase	96 hours
	Acute LC50 70000 μg/l Fresh water	Fish - Oncorhynchus tshawytscha - Juvenile	96 110018
		,	
ammonium sulphate	Acuto I CEO 2.6 mg/l Freeh water	(Fledgling, Hatchling, Weanling) Crustaceans - Ceriodaphnia	48 hours
ammonium suipnate	Acute LC50 2.6 mg/l Fresh water	dubia - Young	46 110015
	Acute LC50 14000 to 15000 µg/l Fresh	Daphnia - Daphnia magna -	48 hours
	water	Young	To Hours
	Acute LC50 68 µg/l Fresh water	Fish - Oncorhynchus gorbuscha	96 hours
	, , , , , , , , , , , , , , , , , , ,	- Alevin	
	Chronic NOEC 7.5 mg/l Marine water	Algae - Phaeodactylum	96 hours
	_	tricornutum - Exponential	
		growth phase	
	Chronic NOEC 143 µg/l Marine water	Fish - Salmo salar - Post-smolt	5 weeks
Formaldehyde, solution	Acute EC50 3.48 mg/l Fresh water	Algae - Desmodesmus	72 hours
·		subspicatus	
	Acute EC50 0.788 mg/l Marine water	Algae - Ulva pertusa	96 hours
l		I	

Flamarest 1600 BTX1 260183-1 Page: 12/15

Section 12. Ecological information				
	Acute EC50 12.98 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours	
	Acute EC50 14000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours	
	Acute LC50 1.41 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours	
	Chronic NOEC 0.005 mg/l Marine water	Algae - Isochrysis galbana - Exponential growth phase	96 hours	
	Chronic NOEC 953.9 ppm Fresh water	Fish - Oncorhynchus tshawytscha - Egg	43 days	

#### Persistence and degradability

Not available.

#### Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	2.64 to 3.78	31	low
acetone diethyl bis(2-hydroxyethyl) aminomethylphosphonate	-0.23 -0.72	- -	low low
titanium dioxide	-	352	low

#### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

### **Section 13. Disposal considerations**

#### **Disposal methods**

: 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Flamarest 1600 BTX1 260183-1 Page: 13/15

### **Section 14. Transport information**

Special precautions for user : The actual shipping description for this product may vary based several factors including, but not limited to, the volume of material, size of the container, mode of transport and use of exemptions or exceptions found in the applicable regulations. The information provided in Section 14 is one possible shipping description for this product. Consult your shipping specialist or supplier for appropriate assignment of the DOT information.

> Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	UN1263	UN1263	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3	3	3
Packing group	II	III	II	II	II
Environmental hazards	Yes.	No.	No.	Yes.	No.

### **Section 15. Regulatory information**

#### U.S. Federal regulations

**United States inventory** (TSCA 8b)

: All components are listed or exempted.

#### **SARA 311/312**

Classification : Fire hazard

Immediate (acute) health hazard Delayed (chronic) health hazard

#### California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

#### **International lists**

Flamarest 1600 BTX1 260183-1 Page: 14/15

### **Section 15. Regulatory information**

#### **National inventory**

Australia : At least one component is not listed. Canada : All components are listed or exempted. China : At least one component is not listed. **Europe** : All components are listed or exempted. Japan : At least one component is not listed. Malaysia : At least one component is not listed. **New Zealand** : At least one component is not listed. **Philippines** : At least one component is not listed. Republic of Korea : All components are listed or exempted. Taiwan : At least one component is not listed.

### Section 16. Other information

#### **Hazardous Material Information System (U.S.A.)**



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

#### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

#### **History**

Date of issue/Date of revision : 2 December 2015

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Flamarest 1600 BTX1 260183-1 Page: 15/15

### **Section 16. Other information**

MSDS # : 008193

0005

**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

#### Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.