

# Safety Data Sheet

## Intumax AC-3®

SDS Revision Date:

07/17/2015



### 1. Identification

#### 1.1. Product identifier

**Product Identity** Intumax AC-3®  
**Alternate Names** Intumax AC-3®

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use** Non-halogen flame retarding additive to polymers  
**Application Method** See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name** Broadview Technologies  
7-33 Amsterdam Street  
Newark, NJ 07105

**Emergency** Newalta (800) 567-7455  
**CHEMTREC (USA)** (800) 424-9300  
**Customer Service: Broadview Technologies** (973)-465-0077

### 2. Hazard(s) identification

#### 2.1. Classification of the substance or mixture

No applicable GHS categories.

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

**[Prevention]:**

No GHS prevention statements

**[Response]:**

No GHS response statements

**[Storage]:**

No GHS storage statements

**[Disposal]:**

No GHS disposal statements

# Safety Data Sheet

## Intumax AC-3®

SDS Revision Date:

07/17/2015



### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
1,2-Ethanediamine, phosphate CAS Number: 0014852-17-6	100	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself!
<b>Eyes</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	<b>Effects, Acute Exposure</b> Skin Contact irritating to skin; may be corrosive if not removed promptly Skin Absorption slight; no toxic effects likely by this route Eye Contact even diluted product may be painfully irritating, even corrosive to eyes; if not removed promptly, chemical burns may result, causing permanent damage, even blindness Inhalation vapour or fume may cause respiratory irritation including cough & shortness of breath Ingestion may irritate mouth and throat; may cause central nervous depression –not a route of industrial exposure <b>Effects, Chronic Exposure</b> General prolonged exposure may cause reddening and swelling Sensitizing contact with the skin may cause sensitization; airborne dust may cause respiratory sensitization, with asthma possible in sensitive individuals on repeated exposure See section 2 for further details.
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# Safety Data Sheet

## Intumax AC-3®

SDS Revision Date:

07/17/2015



### 5. Fire-fighting measures

#### 5.1. Extinguishing media

Foam, dry chemical, water fog, water spray only to cool & dilute, product floats on water - water jet spreads flames

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon monoxide, oxides of nitrogen & phosphorous, ammonia, hydrogen cyanide

#### 5.3. Advice for fire-fighters

Firefighters must wear SCBA. Static Charge Accumulation not known - not sensitive to static accumulation

None

ERG Guide No. ----

### 6. Accidental release measures

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

Put on appropriate personal protective equipment (see section 8).

#### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### 6.3. Methods and material for containment and cleaning up

Ventilate contaminated area if dusty; shovel & store in closed containers for recycling or disposal; scatter sweeping compound over the residue; sweep (ensure sufficient sweeping compound is used to effectively suppress dust), shovel & store in closed containers for recycling or disposal

### 7. Handling and storage

#### 7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry environment, away from sources of ignition or heat. Avoid generating dust. If dust is created, avoid breathing this, or the mist/vapor released by a solution containing this product. If visible dust or mist/vapor is formed, install mechanical ventilation to clear this. Beware of dust settling on exposed skin, and remove promptly if this occurs. Avoid contact with skin and wash work clothes frequently. An eye bath and safety shower must be available near the workplace.

Incompatible materials: Incompatible with acids or oxidizing substances; do not store in iron or containers made of another reactive metal

# Safety Data Sheet

## Intumax AC-3®

SDS Revision Date:

07/17/2015



See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0014852-17-6	1,2-Ethanediamine, phosphate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
0014852-17-6	1,2-Ethanediamine, phosphate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

### 8.2. Exposure controls

#### Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

#### Eyes

Wear chemical goggles where there is potential for eye contact. Use safety glasses with side shields under normal use conditions.

#### Skin

Neoprene, nitrile or butyl gloves recommended. Other types may also protect; consult supplier to confirm suitability

#### Engineering Controls

Mechanical ventilation may be required to clear visible dust produced in handling.

#### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

# Safety Data Sheet

## Intumax AC-3®

SDS Revision Date:

07/17/2015



### 9. Physical and chemical properties

<b>Appearance</b>	Dark gray/black Powder
<b>Odor</b>	Unknown
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not Measured
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	Not Measured
<b>Flash Point</b>	Not Measured
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	Theoretically Considerably Heavier than Air
<b>Specific Gravity</b>	Not Measured
<b>Solubility in Water</b>	Not Measured
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	260°C or 500°F
<b>Viscosity (cSt)</b>	Not Measured
<b>Density</b>	1.4 kg/litre

#### 9.2. Other information

No other relevant information.

### 10. Stability and reactivity

#### 10.1. Reactivity

Hazardous Polymerization will not occur.

#### 10.2. Chemical stability

Stable under normal circumstances.

#### 10.3. Possibility of hazardous reactions

No data available.

#### 10.4. Conditions to avoid

No data available.

# Safety Data Sheet

## Intumax AC-3®

SDS Revision Date:

07/17/2015



### 10.5. Incompatible materials

Incompatible with acids or oxidizing substances; do not store in iron or containers made of another reactive metal

### 10.6. Hazardous decomposition products

Carbon monoxide, oxides of nitrogen & phosphorous, ammonia, hydrogen cyanide

## 11. Toxicological information

### Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
1,2-Ethanediamine, phosphate - (14852-17-6)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

# Safety Data Sheet

## Intumax AC-3®

SDS Revision Date:

07/17/2015



## 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
1,2-Ethanediamine, phosphate - (14852-17-6)	Not Available	Not Available	Not Available

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

This product is water soluble and may move readily in soil and water; (both components are phosphate salts, which may combine with soil particles to become stationary)

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Do not flush to sewer, may be incinerated at high temperature (eg: a cement kiln) in a facility with flue gas monitoring and scrubbing Containers Drums should be reused. Recondition & pressure test by licensed reconditioner prior to re-use. Pails must be vented and thoroughly dried prior to crushing and recycling. IBCs (intermediate bulk containers): pressure test & recertify polyethylene bottle at 30 months. Replace at 60 months (5yrs). Inspect, pressure test & recertify steel containers every 5 years. Never cut, drill, weld or grind on or near this container, even if empty

# Safety Data Sheet

## Intumax AC-3®

SDS Revision Date:

07/17/2015



### 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Not Applicable	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	No further information		

### 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act ( TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>WHMIS Classification</b>	Not Regulated
<b>US EPA Tier II Hazards</b>	<b>Fire:</b> No <b>Sudden Release of Pressure:</b> No <b>Reactive:</b> No <b>Immediate (Acute):</b> No <b>Delayed (Chronic):</b> No

#### **EPCRA 311/312 Chemicals and RQs:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### **EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### **EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### **Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### **Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



# Safety Data Sheet

## Intumax AC-3®

SDS Revision Date:

07/17/2015



**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Pennsylvania RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is: Not applicable

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

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