

**Section 1: Product and Company Identification:****1.1 Product Identifier**

Product Form: Mixture  
Identification of Substance: Antimony Pentoxide  
Product Name: BurnEx® 6220  
Synonym: Antimony (V) oxide, APO  
CAS Number: 1314-60-9  
Index Number: 051-003-00-9  
EINECS Number: 215-237-7  
REACH Registration Number: 01-2119918494-33-0001  
Formula: Sb<sub>2</sub>O<sub>5</sub>

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

Recommended Use: Recommended for use as a flame retardant.  
Restrictions on Use: For industrial use only, not for food, drug or home use.

**1.3 Details of the supplier of the safety data sheet**

Company Identification: Nyacol Nano Technologies, Incorporated  
Megunko Road, P.O. Box 349, Ashland, MA 01721 U.S.A.  
508-881-2220  
Email Contact: [info@nyacol.com](mailto:info@nyacol.com)  
Internet: [www.nyacol.com](http://www.nyacol.com)

**1.4 Emergency telephone number**

In Case of Emergency: CHEMTREC: 1-800-424-9300  
International CHEMTREC: +1 (703) 527-3887  
24 Hours/Day: 7 Days/Week

**Section 2: Hazard(s) Identification****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Not classified.

**2.1 Classification of the substance or mixture**

APO is exempted from the group entry classification for antimony compounds (Annex 1 of Directive 67/548/EEC or Annex VI of Regulation (EC) 1272/2008; Index No. 051-003-009).

**2.1.1 Classification according to Regulation (EC) No. 1272/2008 (CLP)**

Not classified.

**2.1.2 Classification according to Directive 67/548/EEC and 1999/45/EC (including amendments)**

Not classified.

**2.2 Label Elements**

Not labelled.

Signal Word: Not applicable.

Hazard Pictogram: Not applicable.

Hazard Statement(s): Not applicable.

Precautionary Statement(s): Not applicable.

**2.3 Other Hazards**

Antimony pentoxide does not meet the criteria for a PBT or vPvB substance.

**2.4 Unknown acute toxicity (GHS US)**

No further relevant information available.

**Section 3: Composition / Information on Ingredients****3.1 Chemical characterization: Mixtures**

Description: Mixture consisting of the following components.

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 SUPERSEDES: January 4, 2013  
 VERSION NO.: 1

Non-hazardous Component Name:	Product Identifier	GHS Classification	Percent By Weight
Antimony Pentoxide REACH: 01-2119918494-33-0001	CAS No. 1314-60-9 EC: 215-237-7 Index: 051-003-00-9	Not classified	93
Water REACH: None.	CAS No. 7732-18-5 EC: 231-791-2	Not classified	7

Impurities: Present at a level below that to be taken into account for classification.

Stabilizing Additives: None.

The supplier currently has no knowledge on additional ingredients that are classified and that contribute to the classification of this substance.

See Section 16 for a list of hazards if identified above.

### Section 4: First-Aid Measures

#### 4.1 Description of first aid measures

**Eye Contact:** Immediately flush eyes with large quantities of water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Seek medical attention.

**Skin Contact:** Wash with soap and plenty of water for at least 15 minutes. Wash contaminated clothing before reuse.

**Inhalation:** Remove person from exposure source. Consult medical professional if effects occur.

**Ingestion:** If swallowed rinse out mouth and then drink plenty of water. Seek medical attention if effects occur. Never give anything by mouth to an unconscious person.

**First Aid Facilities:** Eye wash station.

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

Based on existing substance specific hazard data, acute or delayed effects are not anticipated.

#### 4.3 Indication of any immediate medical attention and special treatment needed.

Symptomatic treatment is recommended.

### Section 5: Fire-Fighting Measures

#### 5.1 Extinguishing Media

**Suitable Extinguishing Media:** All are acceptable. Cool containers with water spray.

**Unsuitable extinguishing media:** None known.

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

**Flammability of the product:** Material will not burn in a fire.

**Special Hazard Arising from the Chemical:** Formation of toxic gases is possible during heating or in case of fire. Combustible products may include carbon monoxide, carbon dioxide, and nitrogen oxides.

**Fire Hazard:** No further relevant information available.

**Explosion Hazard:** No further relevant information available.

**Reactivity:** No further relevant information available.

#### 5.3 Advice for firefighters

**Special Protective Equipment for Firefighters:** Wear standard full firefighter turn-out gear (full bunker gear) and respiratory protection (SCBA).

### Section 6: Accidental Release Measures

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

### 6.1.1 For non-emergency personnel

#### Personal Precautions and PPE:

Isolate the area. Emergency responders should wear eye protection and impervious gloves. An approved air-purifying respirator should be worn if dust is present.

### 6.2 Environmental precautions

Do not allow product to reach sewage system or water bodies.

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

Ensure adequate ventilation. Contain spill or leak with sand, clay or absorbents. Recover liquid for recycle or disposal. Do not allow spills into sewers or surface waters. Place absorbents, waste products and contaminated soil into containers for disposal. Dispose of spilled material in an appropriate and approved waste disposal facility in accordance with relevant regulations. Processing, use or contamination of this product may change the waste management options.

### 6.4 Reference to other sections

For more information on exposure controls and personal protection or disposal considerations, check Section 8 and 13 of this SDS.

## Section 7: Handling and Storage

### 7.1 Precautions for safe handling

Avoid generating dust during use. Ensure good ventilation/ exhaust at the workplace.

#### 7.1.1 Protective measures

As a precautionary measure, the wearing of standard work gear is suggested.

#### 7.1.2 Advice on general occupational hygiene

Avoid inhalation, ingestion and contact with eyes. General occupational hygiene measures are required to ensure a safe handling of the substance. These measures involve good personal and housekeeping practices (i.e. regular cleaning with suitable cleaning devices), no eating, drinking and smoking at the workplace and wearing standard working clothes and shoes unless otherwise stated. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Shower and change clothes at end of work shift. Do not wear contaminated clothing at home.

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

Do not freeze. Store in cool, dry area and keep container tightly sealed. Provide sufficient ventilation.

### 7.3 Specific end use(s)

No additional information available. Refer to Section 1.2 of this SDS.

## Section 8: Exposure Controls / Personal Protection

### 8.1 Control Parameters

#### 8.1.1 National Limit Values

Antimony pentoxide CAS# 1314-60-9

Country	Occupational exposure limit (as Sb)	Maximum exposure time	Date	Title	Reference
UK	0.5 mg/m <sup>3</sup> (as Sb)	8h TWA	2011	Antimony and compounds	Health and Safety Executive– <a href="http://www.hse.gov.uk/pubns/priced/eh40.pdf">http://www.hse.gov.uk/pubns/priced/eh40.pdf</a>

Germany	Not established		2009	Antimony and its inorganic compounds (inhalable fraction)	Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (MAK Commission): <a href="http://www.dfg.de/en/dfg_profile/statutory_bodies/senate/health_hazards/index.html">http://www.dfg.de/en/dfg_profile/statutory_bodies/senate/health_hazards/index.html</a>
Finland	0.5 mg/m <sup>3</sup>	8h TWA	2009	Antimony and its compounds	The Ministry of Social Affairs and Health- <a href="http://pre20090115.stm.fi/hm1113394626349/passthru.pdf">http://pre20090115.stm.fi/hm1113394626349/passthru.pdf</a>
Belgium	0.5 mg/m <sup>3</sup> (as Sb)	8h TWA	2010	Antimony and its compounds	Service public fédéral Emploi, Travail et Concertation sociale: <a href="http://www.emploi.belgique.be/WorkArea/showcontent.aspx?id=23914">http://www.emploi.belgique.be/WorkArea/showcontent.aspx?id=23914</a>
France	0.5 mg/m <sup>3</sup> (as Sb)	8h TWA	2012	Antimony and its compounds	Institut National de Recherche et de Sécurité <a href="http://www.inrs.fr/accueil/produits/mediathèque/doc/publications.html?refINRS=ED%20984">http://www.inrs.fr/accueil/produits/mediathèque/doc/publications.html?refINRS=ED%20984</a>
Spain	0.5 mg/m <sup>3</sup> (as Sb)	8h TWA	2010	Antimony and antimony compounds	<a href="http://www.insht.es/InshtWeb/Contenidos/Documentacion/TextosOnline/Valores_Limite/Limites2010/LEP%202010%20Actualizado Mayo(1).pdf">http://www.insht.es/InshtWeb/Contenidos/Documentacion/TextosOnline/Valores_Limite/Limites2010/LEP%202010%20Actualizado Mayo(1).pdf</a>
Austria	0.5 mg/m <sup>3</sup> (as Sb)	8h TWA	2011	Antimony compounds	<a href="http://www.arbeitsinspektion.gv.at/NR/rdonlyres/F173280B-D4FB-44D2-8269-8DB2CB1D2078/0/GKV2011.pdf">http://www.arbeitsinspektion.gv.at/NR/rdonlyres/F173280B-D4FB-44D2-8269-8DB2CB1D2078/0/GKV2011.pdf</a>

### 8.1.2 PNECs and DNELs – Antimony Pentoxide (1314-60-9)

#### **DNEL (Derived No Effect Level)**

Descriptor	Route of Exposure/Environmental protection target	DNEL
	Inhalation – Long term/systemic effects	10 mg/m <sup>3</sup>

#### **PNEC (Predicted No Effect Concentration)**

Descriptor	Route of Exposure/Environmental protection target	PNEC
	Freshwater	0.113 mg Sb/L
	Marine	0.0113 mg Sb/L
	Sediment freshwater	7.8 mg Sb/kg ww
	Sediment marine	1.56 mg Sb/kg ww
	Soil	37 mg Sb/kg dw (32.6 mg Sb/kg ww)
	STP (Sewerage Treatment Plant)	2.55 mg Sb/L

## 8.2 Exposure Controls

### 8.2.1 Appropriate Engineering Controls

Use exhaust ventilation to keep airborne concentrations below exposure limits. Waste water generated during the production process or cleaning operations should be collected.

### 8.2.2 Individual protective measures, such as personal protective equipment (PPE)

Hygiene Measures:	Change contaminated clothing. Wash hands after working with substance.
Respiratory:	When respiratory protection is required, or concentrations unknown, use approved air-purifying respirator with a dust cartridge.
Hands:	Wear impervious gloves such as neoprene.
Eyes:	Wear approved safety glasses.

**Skin:** Wear clean body-covering clothing; impervious gloves such as neoprene. Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.

### 8.2.3 Environmental Exposure Controls

The product should be recycled when possible. Appropriate controls should be put in place to prevent release of the product to the environment, including sewage systems and water bodies.

## Section 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance (Physical State, Color):	Solid. Off-white powder.
Upper/lower flammability or explosive limits:	Not determined.
Volatile by Weight:	7%
Odor:	Odorless.
Vapor Pressure:	Not determined.
Odor Threshold:	Not applicable.
Vapor Density:	Not determined.
pH:	7 (20% slurry in water)
Density:	3900 kg/m <sup>3</sup>
Melting Point:	Not determined.
Solubility in Water:	Not determined.
Initial boiling point and boiling range:	Not determined.
Flashpoint:	Not applicable.
Evaporation Rate:	Not determined.
Flammability (solid, gas):	Product is not self-igniting.
Partition Coefficient:	Not determined.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Viscosity:	Not applicable.
Specific Gravity:	3.9
Freezing Point:	Not determined.
Explosion Limits:	Not applicable.
Oxidizing Properties:	Not an oxidizer.

### 9.2 Other information

Not applicable.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

Not applicable.

### 10.2 Chemical Stability

Stable under normal ambient and anticipated storage and handling conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

No further relevant information available.

### 10.5 Incompatible materials

Use of 6220 under acidic reducing conditions may form a poisonous gas stibine.

### 10.6 Hazardous decomposition products

Oxides of nitrogen and carbon.

## Section 11: Toxicological Information

### 11.1 Information on toxicological effects

Antimony Pentoxide, CAS# 1314-60-9

Toxicokinetics	The oral absorption of soluble pentavalent antimony compounds is less than 1% (Felicetti, 1974; ICRP, 1981). Together with particle-size derived respiratory deposition and 100% absorption from the pulmonary fraction, an inhalation absorption factor of 0.7% may be assumed. Based on read-across and analogies with other metals HERAG (2007), a conservative default dermal absorption factor of 1% is appropriate for diantimony pentoxide.
Acute toxicity	<p><b>Oral:</b> LD50 rat &gt; 2000 mg/kg bw (Robertson, 2005) The classification criteria according to regulation (EC) 1272/2008 as acutely toxic are not met for APO since the ATE is above 2000 mg/kg body weight, hence no classification required.</p> <p><b>Inhalation:</b> LC50 rat &gt; 5.4 mg/L (Leuschner, 2010) The classification criteria according to regulation (EC) 1272/2008 as acutely toxic are not met for sodium hexahydroxoantimonate (SHHA) (CAS 33908-66-6) since the ATE for dusts and mists is above 5.0 mg/L, hence no classification required. Based on read across from SHHA, APO does not require a classification as acutely toxic, inhalation.</p> <p><b>Dermal:</b> APO does not require a classification as acutely toxic via dermal route. Conduct of an acute dermal toxicity study is unjustified as inhalation of the substance is considered as major route of exposure and physicochemical properties of the substance do not suggest a significant rate of absorption through the skin (cf. Annex VIII section 8.5 Column 2 of regulation (EC) 1907/2006).</p>
Skin corrosion/irritation	Based on available data, the classification criteria as skin irritant are not met for APO (Robertson, 2005). Since APO is not irritating to the skin, eyes or the respiratory tract, corrosive properties can be excluded and the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria as eye irritant are not met for sodium hexahydroxoantimonate (SHHA) (CAS 33908-66-6) (Leuschner, 2009). Based on read across from SHHA, APO does not require a classification as eye irritant.
Respiratory or skin sensitization	Based on available data, the classification criteria as skin sensitizer are not met for diantimony pentoxide (Robertson, 2005). Based on the results of the histopathological and macroscopic investigations and on an industry survey, sodium hexahydroxoantimonate (SHHA) (CAS 33908-66-6) does not require a classification for respiratory irritation/sensitization. Based on read across from SHHA, and an industry survey, APO does not require classification for respiratory irritation/sensitization.
Germ cell mutagenicity	Based on available data, sodium hexahydroxoantimonate (SHHA) (CAS 33908-66-6) does not require a classification as germ cell mutagen. SHHA (CAS# 33908-66-6) did not induce micronuclei in cultured human lymphocytes (Whitwell, 2010) and gene mutation in the tk locus of the L5178Y mouse lymphoma cell line (Stone, 2010). Therefore SHHA is considered as non-clastogenic and non-mutagenic. Based on read across from SHHA, APO does not require a classification as germ cell mutagen.
Carcinogenicity	No data indicating any concern for carcinogenicity.
Reproductive toxicity	Data lacking – testing proposal issued in the REACH registration dossier of sodium hexahydroxoantimonate (CAS 33908-66-6). Data will be read-across to APO.

STOT–single exposure	Based on available data, the classification criteria as STOT, single exposure, oral and inhalation are not met for APO since no reversible or irreversible adverse health effects were observed immediately or delayed after exposure and no effects were observed at the guidance value.
STOT–repeated exposure	Data lacking – testing proposal issued in the REACH registration dossier of sodium hexahydroxoantimonate (CAS 33908–66–6). Data will be read–across to APO.
Aspiration hazard	APO as an inorganic metal oxide is void of a low surface tension effect and as a solid does have a very high viscosity, i.e. an aspiration hazard can safely be excluded. Based on available data, the classification criteria are not met.

### Other components

Antimony Pentoxide:	<u>LD50, Rat, Oral</u>
Water:	> 4123 mg/kg
	None reported.

## Section 12: Ecological Information

### 12.1 Toxicity

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Antimony metal and antimony containing compounds may dissolve and generate antimony ions (Vangheluwe et al., 2001). The environmental section will therefore discuss the fate of antimony in general.

Acute aquatic toxicity test results:		
Marine fish [ <i>Pagrus major</i> ]	96 h LC50	6.9 mg Sb/L (Takayanagi, 2001)
Freshwater fish [ <i>Pimephales promelas</i> ]	96 h LC50	14.4 mg Sb/L (Brooke et al, 1986)
Invertebrates [ <i>Chlorohydra viridissimus</i> ]	96 h LC50	1.77 mg Sb/L (TAI, 1990)
Algae [ <i>Pseudokirchneriella subcapitata</i> ]	72 h ErC50 (growth rate)	> 36.6 mg Sb/L (Heijerick et al, 2004)
Plants [ <i>Lemna minor</i> ]	4 d EC50	> 25.5 mg Sb/L (Brooke et al, 1986)
Chronic aquatic toxicity test results:		
Fish [ <i>Pimephales promelas</i> ]	28 d NOEC/LOEC (growth; length)	1.13/2.31 mg Sb/L (Kimball, 1978)
Invertebrates [ <i>Daphnia magna</i> ]	21 d NOEC/LOEC (reproduction)	1.74/3.13 mg Sb/L (Heijerick et al, 2003)
Algae [ <i>Pseudokirchneriella subcapitata</i> ]	72 h NOEC/LOEC (growth rate)	2.11/4.00 mg Sb/L (Heijerick et al, 2004)
Chronic sediment toxicity test results:		
Midge [ <i>Chironomus riparius</i> ]	14 d NOEC (growth)	78 mg Sb/kg ww (Heijerick et al, 2005)
Chronic terrestrial toxicity test results (values were determined in a soil spiked with Sb <sub>2</sub> O <sub>3</sub> and aged for 31 weeks before testing):		
Soil invertebrates	NOEC	999 mg Sb/kg dw (Moser, 2007)
Plants	NOEC	999 mg Sb/kg dw (Smolders et al., 2007)
Soil microorganisms	NOEC	2930 mg Sb/kg dw (Smolders et al., 2007)
Toxicity tests for microorganisms (for STP)		
Aquatic microorganisms	NOEC	2.55 mg Sb/L (EPAS, 2005)
Inhibition of nitrification	EC50	27 mg Sb/L (EPAS, 2005)

### 12.2 Persistence and degradability

Whereas antimony formally meets the criterion for persistence based on the absence of any degradation, this criterion is considered not to be applicable to inorganic elements. In addition, under conditions of a standard EUSES lake and the median partition coefficient for suspended matter, Sb meets the criteria for rapid removal from the water column.

### 12.3 Bioaccumulative potential



Antimony does not meet the criteria for bioaccumulation: a BCF for aquatic organisms of 40 and a BSAF of 1 for earthworms are derived, and are all much lower than the threshold of 2,000 l/kg. Also, there is evidence to support that antimony does not biomagnify in the food chain. Therefore, antimony is not considered bioaccumulative (B) or very bioaccumulative (vB) based on the definitive criteria.

### 12.4 Mobility in soil

A log  $K_p$  of 2.07 has been determined for soil.

### 12.5 Results of PBT and vPvB Assessment

The PBT and vPvB criteria of Annex XIII to the Regulation do not apply to inorganic substances, such as antimony and its inorganic compounds. However, the available data have been compared to the criteria:

See 12.2 for (P) and 12.3 for (B). For (T): Chronic NOEC values are available for fish, invertebrates and algae (see Section 12). The lowest NOEC is 1.13 mg Sb/L for fish (Kimball, 1978). Antimony and antimony compounds do not meet any of the toxicity criteria based on carcinogenicity, mutagenicity or reproductive toxicity and there is no evidence of other chronic concerns. Therefore, antimony is not considered toxic (T) based on the definitive criteria. Antimony, and therefore APO, is not PBT or vPvB.

### 12.6 Other adverse effects

APO is not expected to contribute to ozone depletion, ozone formation, global warming or acidification.

## Section 13: Disposal Considerations

This information presented only applies to the materials as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 13.1 Waste treatment methods

APO containing waste shall be handled as non-hazardous waste and removed by licensed waste removal company, incinerated or recycled in accordance with federal, state and local requirements. Sewage disposal is not recommended.

Suitable disposal of non-hazardous waste for manufacturing and industrial use: Disposal of wastes is possible via incineration (operated according to Directive 2000/76/EC on the incineration of waste) or landfilling (operated according to Reference Document on the Best available Techniques for Waste Industries of August 2006 and Council Directive 1999/31/EC and Council Decision 19 December 2002).

Suitable disposal of waste for professional use: Waste from end-of-life articles can be disposed of as municipal waste, except when they are separately regulated, like electronic devices, batteries, vehicles, etc. Disposal of wastes is possible via incineration (operated according to Directive 2000/76/EC on the incineration of waste) or landfilling (operated according to Reference Document on the Best available Techniques for Waste Industries of August 2006 and Council Directive 1999/31/EC and Council Decision 19 December 2002).

In the United States should the product become a waste, an EPA TCLP test should be performed. If test is not done then waste should be treated as an EP toxic material and given EPA waste numbers D004 and D008.

## Section 14: Transport Information

The product is not restricted for transportation.

### Sections 14.1 – 14.4

#### Regulations

U.S. D.O.T.: Not regulated.  
 ICAO/IATA: Not regulated.  
 IMO/IMDG: Not regulated.  
 ADR: Not regulated.

### 14.5 Environmental Hazards

The product is not an environmental hazard in the EU.



### 14.6 Special precautions for user

Not available.

## Section 15: Regulatory Information

### 15. 1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Worldwide Chemical Inventories

EINECS (EU):	All ingredients listed
TSCA (USA):	All ingredients listed
DSL (Canada):	All ingredients listed
AICS (Australia):	All ingredients listed
ENCS (Japan):	All ingredients listed
ECL (Korea):	All ingredients listed
PICCS (Philippines):	All ingredients listed
IECSC (China):	All ingredients listed
SARA Section 311 /312 (40 CFR 370) Hazard:	Product is not classified as hazardous.
SARA Section 313:	This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

<u>Chemical Name:</u>	<u>CAS #:</u>	<u>Percent by Weight:</u>
Antimony pentoxide	1314-60-9	73

California Proposition 65:	No ingredients listed.
State Right-to-Know Laws:	Section 3 of this SDS lists all components of 6220.
Water hazard class:	Water hazard class 2: hazardous for water.
WHMIS:	Class D, Division 2, material causing other toxic effects.
Transportation of Dangerous Goods:	The product does not meet dangerous goods criteria.
Controlled Products Regulations:	This SDS contains all the information items specified in Schedule 1, Column 3 of the Controlled Products Regulations in a 16-heading format.

### 15. 2 Chemical safety assessment

A chemical safety assessment has been carried out for antimony pentoxide.

## Section 16: Other Information

National Fire Protection Association (U.S.A.) 704 Hazard Rating:	Health-1, Flammability-0, Reactivity-0, Special-None
HMIS® Hazard Rating:	Health-1, Flammability-0, Reactivity-0, Protective Equipment – E; safety glasses, gloves, dust respirator.
Recommended Use:	The product is recommended for use as flame retardant. Other uses have not been investigated and may have other hazards. For industrial use only, not for food, drug or home use.
Work Alert:	Workers using the product should read and understand this SDS and be trained in the proper use of this material.
Other Special Considerations:	None known.
SDS Prepared By:	Andrew A. Guzelian Technical Services Manager Nyacol Nano Technologies, Incorporated Telephone: 508-881-2220 U.S.A.
Revision Date:	September 24, 2015

# SAFETY DATA SHEET

## BURNEX® 6220

REVISION: September 24, 2015  
SUPERSEDES: January 4, 2013  
VERSION NO.: 1

Supersedes:

January 4, 2013

This SDS has been prepared with data from Nyacol Nano Technologies, Inc.'s laboratories, raw material suppliers, and government publications. Information herein is accurate to the best of our knowledge. Suggestions are made without warranty or guarantee of results. Before using, the user should determine the suitability of the products for the intended use, and the user assumes the risk and liability in connection therewith. We do not suggest violation of any existing patents or give permission to practice any patented invention without license.

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