

SAFETY DATA SHEET
N1000, N1200 & N1300 Tough, Super Tough,
Lubricated, Heat Stabilized Series

Page: 1
Printed: 11/03/2014
Revision: 09/19/2014

1. Product and Company Identification

Product Code: 00006
Product Name: N1000, N1200 & N1300 Tough, Super Tough, Lubricated, Heat Stabilized Series
Trade Name: Hylon Nylon 6/6
Company Name: Ravago Manufacturing Americas
1900 Summit Tower Blvd.
Suite 900
Orlando, FL 32810
Web site address: www.ravagomfg.com
Email address: sds-rma@ravagoamericas.com
Emergency Contact: ChemTrec: (800) 424-9300
Information: (931) 728-7009

2. Hazards Identification

GHS Signal Word: **None**
GHS Hazard Phrases: No phrases apply.
GHS Precaution Phrases: No phrases apply.
GHS Response Phrases: No phrases apply.
GHS Storage and Disposal Phrases: No phrases apply.
OSHA Regulatory Status: While this material is not classified as hazardous under OSHA regulations, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Potential Health Effects (Acute and Chronic): The components of this product are embedded in an impervious polymer matrix and therefore present a negligible exposure risk under normal conditions of processing and handling.
Inhalation: Fumes produced during melt process may cause eye, skin and respiratory irritation. Secondary operations such as material transfer, grinding, sanding or sawing can produce combustible dust.
Skin Contact: Heated material can cause thermal burns resulting in pain, redness and blistering.
Eye Contact: May cause eye irritation.
Ingestion: May be harmful if swallowed.
Medical Conditions Generally Aggravated By Exposure: None known.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
32131-17-2	Nylon 6/6	<=85 %
NA	Proprietary Impact Modification System	<=20 %
1333-86-4	Carbon black	<=4.0 %

SAFETY DATA SHEET
N1000, N1200 & N1300 Tough, Super Tough,
Lubricated, Heat Stabilized Series

Page: 2
 Printed: 11/03/2014
 Revision: 09/19/2014

4. First Aid Measures

Emergency and First Aid Procedures: For processing fume inhalation, leave the contaminated area and breathe fresh air.

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

In Case of Skin Contact: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

In Case of Eye Contact: In case of contact, immediately flush eyes with copious amounts of water for at least {15} minutes.

In Case of Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Signs and Symptoms Of Exposure: The components of this product are embedded in an impervious polymer matrix and therefore present a negligible exposure risk under normal processing conditions.

Note to Physician: None

5. Fire Fighting Measures

Flash Pt: NA Method Used: Not Applicable

Explosive Limits: LEL: NA UEL: NA

Autoignition Pt: NA

Suitable Extinguishing Media: Water spray and foam. Water is the best extinguishing medium.

Fire Fighting Instructions: Emits toxic fumes under fire conditions. Approved positive pressure demand breathing apparatus (SCBA) and protective clothing should be used for all fires.

Flammable Properties and Hazards: Carbon dioxide and carbon monoxide generated when the material burns. Combustible Dust may form during material transfer. Estimated Dust Explosion Class = ST2; Kst estimated (bar.m/s): >200 - </=300

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Vacuum or sweep up material and place into a suitable disposal container.

7. Handling and Storage

Precautions To Be Taken in Handling: Use with adequate ventilation. Minimize dust generation and accumulation as combustible dust mixtures may be formed.

Precautions To Be Taken in Storing: Store in a cool, dry place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
32131-17-2	Nylon 6/6			
NA	Proprietary Impact Modification System			
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3.5 mg/m3	

SAFETY DATA SHEET
N1000, N1200 & N1300 Tough, Super Tough,
Lubricated, Heat Stabilized Series

Page: 3
 Printed: 11/03/2014
 Revision: 09/19/2014

Respiratory Equipment (Specify Type):	Follow the OSHA respirator regulations found in {149} CFR {1910.134} or European Standard EN {149}. Use a NIOSH/MSHA or European Standard EN {149} approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in {1910.133} CFR {1910.133} or European Standard EN166.
Protective Gloves:	Wear appropriate protective gloves to minimize skin exposure.
Other Protective Clothing:	Wear appropriate protective clothing to minimize contact with skin.
Engineering Controls (Ventilation etc.):	Use adequate ventilation to keep airborne concentrations low. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.
Work/Hygienic/Maintenance Practices:	Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid
Appearance and Odor:	Pellets with slight or no odor.
Melting Point:	240 C (464.0 F) - 270 C (518.0 F)
Boiling Point:	NA
Decomposition Temperature:	> 300 C (572.0 F)
Autoignition Pt:	NA
Flash Pt:	NA Method Used: Not Applicable
Explosive Limits:	LEL: NA UEL: NA
Specific Gravity (Water = 1):	> 1
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	NA
Evaporation Rate:	NA
Solubility in Water:	NA
Solubility Notes:	Insoluble in cold water.
Percent Volatile:	< 1.0 %

10. Stability and Reactivity

Stability:	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
Conditions To Avoid - Instability:	Stable under recommended conditions of storage and handling.
Incompatibility - Materials To Avoid:	No special recommendations.
Hazardous Decomposition Or Byproducts:	Processing fumes evolved at recommended processing conditions may include trace levels of low molecular weight hydrocarbon fragments, carbon dioxide, carbon monoxide and Irritating fumes and gases.
Possibility of Hazardous Reactions:	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
Conditions To Avoid - Hazardous Reactions:	Under normal conditions of use, hazardous decomposition will not occur.

SAFETY DATA SHEET
N1000, N1200 & N1300 Tough, Super Tough,
Lubricated, Heat Stabilized Series

Page: 4
 Printed: 11/03/2014
 Revision: 09/19/2014

11. Toxicological Information

Toxicological Information:

Carcinogenicity/Other Information: CAS# {32131-17-2}: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
 CAS# {1333-86-4}: ACGIH: Not listed.
 California: carcinogen, initial date {2/21/03 (airborne, unbound particles of respirable size)}. NTP: Not listed.
 IARC: Group 2B carcinogen.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
32131-17-2	Nylon 6/6	n.a.	n.a.	n.a.	n.a.
NA	Proprietary Impact Modification System	n.a.	n.a.	n.a.	n.a.
1333-86-4	Carbon black	n.a.	2B	A4	n.a.

12. Ecological Information

General Ecological Information: This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and Degradability: No data available.

Bioaccumulative Potential: This product will not readily bioaccumulate due to its insolubility in water.

Mobility in Soil: Soil mobility is expected to be negligible, because the product is insoluble in water.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in {261} CFR Parts {261.3}. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
 RCRA P-Series: None listed.
 RCRA U-Series: None listed.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material.
DOT Hazard Class:
UN/NA Number:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Non-Hazardous for Air Transport.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
32131-17-2	Nylon 6/6	No	No	No
NA	Proprietary Impact Modification System	No	No	No
1333-86-4	Carbon black	No	No	No

This material meets the EPA [] Yes [X] No Acute (immediate) Health Hazard

SAFETY DATA SHEET
N1000, N1200 & N1300 Tough, Super Tough,
Lubricated, Heat Stabilized Series

Page: 5
 Printed: 11/03/2014
 Revision: 09/19/2014

'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated: Yes No Chronic (delayed) Health Hazard
 Yes No Fire Hazard
 Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
32131-17-2	Nylon 6/6	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory
NA	Proprietary Impact Modification System	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No
1333-86-4	Carbon black	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
32131-17-2	Nylon 6/6	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; REACH: Yes - (P)
NA	Proprietary Impact Modification System	Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: No; REACH: No
1333-86-4	Carbon black	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; REACH: Yes - (R), (P)

16. Other Information

Revision Date: 09/19/2014
Preparer Name: Safety & Environmental Department

Additional Information About This Product: Information given herein is offered in good faith as accurate, but without guarantee. The conditions of use and suitability of the product for an application is beyond our control. All risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind of nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of this product. Appropriate warnings and safe handling procedures should be provided to handlers and users.