



Material Safety Data Sheet (MSDS)

Revision / Review Date: 1st December, 2018

1. Chemical Product and Company Identification

<u>Product(s) Name:</u>	Nitrax G
<u>Manufactured By:</u>	Gangamani Industries D – 9/10, Mahavir Complex, Budhdhev Market, Panchbatti, Bharuch – 392001 (India)
<u>MSDS Prepared By:</u>	Gangamani Industries
<u>Chemical Name / Family:</u>	Vulcanized vegetable oil /Factice
<u>Technical Name:</u>	Vulcanized vegetable oil
<u>Product Use:</u>	Synthetic Polymers
<u>OSHA Status:</u>	Not hazardous
<u>CAS No:</u>	12653-61-1

2. Hazard(s) Identification

<u>Emergency Overview:</u>	A reddish yellow coloured crumb material. This grade has strong sulphur odor. Overexposure is not expected to cause any significant toxic effects. Treat as a nuisance dust.
<u>Signs and Symptoms of Exposure:</u>	Irritation to the eyes and skin.
<u>Primary Routes of Entry:</u>	Eyes, Skin, ingestion and inhalation.
<u>Eye Contact:</u>	May be mildly irritating.
<u>Skin Contact:</u>	May be mildly irritating.
<u>Ingestion:</u>	May be mildly irritating.
<u>Inhalation:</u>	May be mildly irritating.
<u>HMIS Hazard Ratings:</u>	Health- 0, Flammability - 1, Reactivity - 0, Protection-C

3. Composition / Information on Ingredients

Weight Percent/Typical	Component identity	CAS Registry Number
100%	Castor Oil, Vulcanized	12653-61-1

4. First Aid Measures

<u>Inhalation:</u>	Remove to fresh air; give artificial respiration or oxygen if necessary.
<u>Eyes:</u>	Flush eyes with water for 15 minutes. Call a physician if irritation develops.
<u>Skin:</u>	Wash skin with soap and water.
<u>Ingestion:</u>	Do not ingest. Do not induce vomiting. In large enough quantity, ingestion may cause central nervous system depression. Seek medical attention.

5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Use Chemical foam, CO ₂ , Dry Chemical. Water fog or spray can be used to control fire, but is generally ineffective for direct fire suppression.
<u>Special Fire Fighting Procedures:</u>	Fire fighters should wear self-contained breathing apparatus when exposed to oxides of sulphur and carbon.

6. Accidental Release Measures

<u>Steps to be taken in case material is spilled:</u>	Wear appropriate protective equipment and gloves. Sweep up solid lumps and crumbs and dispose of according to local regulations.
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7. Handling and Storage:

<u>Precautions to be taken in handling:</u>	Handle in accordance with good industrial hygiene and safety practices.
<u>Storage:</u>	Store in sealed containers in dry, ambient temperature conditions. No special handling procedures are indicated.

8. Exposure Controls / Personal Protection

<u>Respiratory Protection:</u>	Respirators should be selected when TWA exceeded. Avoid hot vapors when mixing or packaging.
<u>Ventilation:</u>	Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.
<u>Hand Protection:</u>	Wear gloves.
<u>Eye Protection:</u>	Safety glasses with side shields.
<u>Skin and Body Protection:</u>	Wear boots and apron as appropriate.
<u>Decontamination Facilities:</u>	There should be a shower facility and eyewash in the building where this product is being stored and handled. Exercise good chemical handling practice.

9. Physical and Chemical Properties

<u>Physical Form:</u>	Crumb powder
<u>Appearance & Odor:</u>	Reddish yellow crumb powder
<u>Specific Gravity:</u>	@25°C - 1.05 +/- 0.05 g/cc
<u>Softening Point, R&B:</u>	Not available
<u>Solubility in Water:</u>	Not available

<u>Flash Point, TAG CC F:</u>	> 200°C
<u>Percent Volatiles (by weight):</u>	Not available
<u>Evaporation Rate (Water ~ l):</u>	Not available
<u>Vapor Pressure (mm Hg):</u>	Not available
<u>Vapor Density (Air ~ l):</u>	Not available
<u>Boiling Point Initial:</u>	Not available
<u>Auto ignition Temperature:</u>	> 300°C
<u>Flammable Limits, %(V):</u>	Not available

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Strong oxidizers and bases.
<u>Conditions to Avoid:</u>	Should be kept away from extreme heat.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur.

11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC or OSHA.

12. Ecological Information

This material has not been evaluated for environmental effects.

13. Disposal Considerations

This material has the characteristics of rubber and is not considered a disposal problem. It has long-term potential to biodegrade.

14. Transport Information

<u>D.O.T. Shipping Name:</u>	Not restricted. Use a standard commercial label.
<u>Air - ICAO (International Civil Aviation Organization):</u>	Not restricted. Use commercial label showing chemical name.
<u>Canada Transport Haz. Goods:</u>	Not restricted.
<u>Sea - IMDG (International Maritime Dangerous Goods):</u>	Not regulated in non-bulk packaging.

15. Regulatory Information

<u>Labelling in accordance with EC derivatives:</u>	Not Required.
<u>Hazard symbols:</u>	None.
<u>R phrases:</u>	None.



S phrases:

None.

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by Gangamani Industries personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users' responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.