

Safety Data Sheet

According to Regulation(GB/T)No.16483-2008

Trade name: NAO Y15

Revision Date: 01/01/2015 Version: No. 2



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name NAO Y15
Supplier Supplier NL: Shandong Gold Phoenix Co., Ltd
999 Fule Road, Leling City
Shandong Province,China
Telephone: +86 531 81173810
Telefax: +86 534 2119895
Emergency telephone Tel.: +86 534 2119857
Intended use Vehicle brake

2. COMPOSITION/INFORMATION ON INGREDIENTS

Although several of the ingredients used to formulate this product may be hazardous in the raw state, the manufacturing process results in a solid, infusible form, binding and otherwise, rendering the mixture inert.

	Chemical name	CAS-No.	EINECS-No.	R/S-sentences	%weight
1	Phenolic Resin	9003-35-4	N/A	None	>1
2	Aramid Pulp	26125-61-1	N/A	None	>1
3	Steel Fiber	65997-19-5	266-048-1	None	>1
4	Petroleum Coke	64743-05-1	265-210-9	None	>1
5	Aluminum Oxide	1344-28-1	215-691-6	None	>1
6	Carbon Black	1333-86-4	215-609-9	None	>1
7	Copper (dust & fiber)	7440-50-8	231-159-6	None	>1
8	Cashew Resin–Cured	68333-94-8	N/A	None	>1
9	Graphite	7782-42-5	231-955-3	None	>1

3. HAZARDS IDENTIFICATION

Danger indication	Shipped friction materials are not considered hazardous, but operations (e.g., overheating, burning, machining, abrading, or riveting) that can create airborne dust should be avoided. Such operations could cause exposures in excess of permissible exposure limits for the respective ingredients and should be considered hazardous.
Potential health effects	Inhalation: Dust may cause irritation. Fume produced at high temperatures may cause metal fume fever, a 24-to 48-hour "flu-like" illness. Repeated inhalation of dust may affect a variety of organs (See Chronic Section below). Skin: May cause irritation. Prolonged skin contact may cause skin sensitization and/or dermatitis. Eye: Dust may cause irritation and redness. Particles may scratch the eye. Ingestion: Ingestion may cause irritation, nausea, vomiting, and diarrhea. Chronic: Long-term dust inhalation may also harm the nervous, gastrointestinal, renal (kidneys), and hematological (blood) systems.
Environment dangers	keep dust away from water, do not burn friction material and throw it away.

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4. FIRST AID MEASURES

Inhalation	Seek medical attention.
Ingestion	Move to fresh air. Seek medical attention.
Eye contact	Flush with water to remove particulate. Seek medical attention.
Skin contact	Wash thoroughly with soap and water. If persistent irritation develops, seek medical attention.

5. FIRE-FIGHTING MEASURES

Autoignition temperature	This product is inherently flame resistant, but may ignite at temperatures exceeding 1,112°F(600°C) in an oxygen-enriched atmosphere.
Extinguishing media	Product itself is non-combustible.Use media suitable for surrounding fire.(water, sand, dry ice are ok)
Unsafe extinguishing media	None.
Special exposure hazards	None.
Protective equipment	None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid dust formation.In case of exposure to high levels of airborne dust,wear a personal respirator in compliance with national legislation.
Environmental precautions	No special environmental precautions required.
Methods for cleaning up	If a release of dust occurs during machining, abrading, or riveting, remove dust by vacuuming or wet mopping.Vacuums used for this purpose should be equipped with HEPA filters. Do not use compressed air to blow dust in the workplace.

7. HANDLING AND STORAGE

Handling	Avoid dust formation. No special handling advice required.
Storage requirements	Dry storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation protection	Any operation which may produce dust, including machining, grinding, riveting, or abrading this product, should be adequately exhausted to prevent inhalation of dust.
Respiratory protection	In case of insufficient ventilation,wear suitable respiratory equipment.When dust concentration is above the exposure limits,workers have to use appropriate certified respirators.
Skin protection	If skin irritation occurs, gloves and other protective garments may be worn.
Eye	Wear safety glasses or goggles, as necessary, if dust exposure is possible.
Other	None.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Odor	Phenolic
Boiling point	N/A
Melting point	N/A
pH	7.45
Density	2.35g/cm ³ (20°C)
Water solubility	Insoluble
Vapor pressure	N/A
Vapor density (air=1)	N/A
% Volatile	N/A
Evaporation rate	N/A

10. STABILITY AND REACTIVITY

Stability	Stable at normal temperatures and storage conditions.
Incompatibility(Materials/Conditions to avoid)	None.
Hazardous polymerization	Will not polymerize. This product is fully cured in the manufacturing process.
Decomposition products	Oxides of carbon, nitrogen and sulfur; hydrocarbons; ammonia; and other trace organic compounds.

11. TOXICOLOGICAL INFORMATION

Inhalation	Refer to Section 3
Skin	Refer to Section 3
Eye	Refer to Section 3
Ingestion	Refer to Section 3
Acute	Skin and eye irritation may occur with repeated contact to dust.
Chronic	This product is a mixture of chemicals physically bonded together. Therefore, in the "as supplied" state, this product is considered non-hazardous. If dust is generated, some of the ingredients can have acute and chronic effects (See Section 3 for details).

12. ECOLOGICAL INFORMATION

NAO Y15 no risk for the environment. NAO Y15 does not have asbestos. There does not exist any specific rule concerning friction materials.

13. DISPOSAL CONSIDERATIONS

Chinese law regulates disposal of solid waste. Waste should be placed in airtight containers. Disposal must be in accordance with GB/T 16483-2008, and applicable state and local regulations.

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14. TRANSPORT INFORMATION

Proper shipping name	Not regulated
Hazard class	N/A
Identification number	N/A
Packing group	N/A
Shipping label	None
Additional marking requirements	None

15. REGULATORY INFORMATION

RCRA hazardous waste code	California Prop. 65
CERCLA hazardous substance	California Prop. 65
OSHA	California Prop. 65
WHMIS classification	California Prop. 65

16. OTHER INFORMATION

Abbreviations

CAS #	Chemical Abstract Service Number
N/A	Not Applicable

This product does not contain any deliberate addition of asbestos.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations(CPR)and the SDS contains all of the information required by CPR.