

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **CEN 105XXXXX 15AH9588 FF N16**
GENERAL USE: FRICTION MATERIAL
PRODUCT DESCRIPTION: MOLDED ARTICLES

SECTION 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

FRICTION MATERIALS ARE NOT CONSIDERED HAZARDOUS, HOWEVER TOXIC AND IRRITATING MATERIALS AND/OR DUST MAY BE RELEASED IN A FIRE, MACHINING, GRINDING, ETC. DUST MAY PRODUCE PNEUMOCONIOSIS AND OTHER LUNG DAMAGE.

APPEARANCE/ODOR: ARTICLES, GRAY COLOR, ODORLESS

POTENTIAL HEALTH EFFECTS:

HEALTH EFFECTS LISTED BELOW ARE ASSOCIATED WITH EXCESSIVE AMOUNT OF DUST THAT MAY OCCUR DURING MACHINING, GRINDING, ETC.

INHALATION: IRRITATION OR SORENESS IN THROAT, NOSE, AND RESPIRATORY TRACT.

SKIN: SOME PEOPLE MAY BE SENSITIVE TO CURED PHENOLIC RESIN AND CASHEW RESINS, SO PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION.

EYES: DUST IN EYES MAY CAUSE IRRITATION, REDNESS, AND PAIN.

INGESTION: INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, DIARRHEA.

CHRONIC EFFECT: INHALATION OF DUST MAY CAUSE LUNG INJURY.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	CONTENTS (%)
CURED PHENOLIC RESIN	NOT APPLICABLE	4.6
POLY-PARAPHENYLENE-TEREPHTHALAMIDE	026125-61-1	2.5
POTASSIUM HEXATITANATE	12056-51-8	2.5
BARIUM SULFATE	7727-43-7	30.40
CALCIUM HYDROXIDE	1305-62-0	4.6
GRAPHITE	7782-42-5	10.15
STEEL FIBER (IRON)	7439-89-6	10.15
ROCK WOOL	NONE	5.10
OTHERS	NONE	10.20

SECTION 4 FIRST AID MEASURES

IF ANY OF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION IMMEDIATELY.

SKIN: WASH SKIN WITH SOAP AND WATER. SEEK MEDICAL ATTENTION FOR PERSISTENT IRRITATION.

EYES: WASH EYES WITH COOL RUNNING WATER IF DUST BECOMES EMBEDDED. SEEK MEDICAL ATTENTION IF REDDENING PERSISTS.

INHALATION: REMOVE VICTIM TO FRESH AIR.

INGESTION: RINSE THE MOUTH WITH WATER.

NOTE TO PHYSICIAN: NO SPECIAL FIRST AID OR MEDICAL TREATMENT PROCEDURES ARE REQUIRED.

SECTION 5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: WATER SPLAY, DRY CHEMICAL POWDER, CO2

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: IN CASE DUST MAY OCCUR, USE PERSONAL PROTECTION EQUIPMENT.

ENVIRONMENTAL PRECAUTIONS: NOT APPLICABLE.

METHOD FOR CONTAINMENT: NOT APPLICABLE.

METHOD FOR CLEAN-UP: USE WET METHOD TO CLEAN UP DUST FROM PRODUCTS.

SECTION 7 HANDLING AND STORAGE

HANDLING: AVOID BREATHING OR CREATING DUST.

STORAGE: AVOID TO CONTACT WITH WATER, AND PREVENT MOISTURE.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

INGREDIENTS	CAS #	ACGIH TLV (TWA)
CURED PHENOLIC RESIN	NOT APPLICABLE	NONE
POLY-PARAPHENYLENE- TEREPHTHALAMIDE	026125-61-1	0.5 f/cm ³
POTASSIUM HEXATITANATE	12056-51-8	NOT ESTABLISHED
BARIUM SULFATE	7727-43-7	10 mg/m ³
CALCIUM HYDROXIDE	1305-32-0	5 mg/m ³
GRAPHITE	7782-42-5	2 mg/m ³
STEEL FIBER (IRON)	7439-89-6	NONE
ROCK WOOL	NONE	1 f/cm ³
OTHERS	NONE	NONE

PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION: SAFETY GLASSES ARE RECOMMENDED.

HAND PROTECTION: PROTECTIVE GLOVES.

RESPIRATORY PROTECTION: DUST RESPIRATOR ARE RECOMMENDED.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: SOLID

APPEARANCE AND ODOR: GRAY COLOR, ODORLESS

SPECIFIC GRAVITY: 2 

SOLUBILITY IN WATER: NEGLIGIBLE

SECTION 10 STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITION TO AVOID: KEEP AWAY FROM FIRE, HEAT, MOISTURE

MATERIAL TO AVOID: STRONG ACIDS, STRONG ALKALIS, STRONG OXIDIZERS
AND REDUCERS.HAZARDOUS DECOMPOSITION: TOXIC AND IRRITATING MATERIALS MAY BE
RELEASED IN A FIRE.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NOT AVAILABLE.

CHRONIC TOXICITY: NOT AVAILABLE.

SECTION 12 ECOLOGICAL INFORMATION

AQUATIC TOXICITY: NOT AVAILABLE

DEGRADABILITY: NOT AVAILABLE

SECTION 13 DISPOSAL CONSIDERATIONS

OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN DISPOSING THIS PRODUCT.

SECTION 14 TRANSPORT INFORMATION

NOT CLASSIFIED AS DANGEROUS MATERIAL.

NO SPECIAL PRECAUTIONS ARE REQUIRED.

SECTION 15 REGULATORY INFORMATION

NOT APPLICABLE TO ANY TYPE OF LAWS AND REGULATIONS RELATED TO THE CLASSIFICATION STANDARD OF HAZARD AND TOXICITY.

SECTION 16 OTHER INFORMATION

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