



3M General Offices
3M Center
St. Paul, Minnesota 55144-1000

MATERIAL SAFETY
DATA SHEET

DIVISION: ABRASIVE SYSTEMS DIVISION

TRADE NAME:

COATED ABRASIVE PRODUCTS WITH ALUMINUM OXIDE MINERAL

3M I.D. NUMBER: 60-4300-3340-1

ISSUED: AUGUST 5, 1993

SUPERSEDES: MARCH 31, 1992

DOCUMENT: 10-6754-5

1. INGREDIENT	C.A.S NO.	PERCENT
BACKING – PAPER OR CLOTH OR FIBER OR FILM.....	Unknown	45.0 – 70.0
MINERAL – ALUMINUM OXIDE.....	1344-28-1	10.0 – 30.0
CURED ADHESIVE – ORGANIC GLUE OR RESIN OR COMBINATION.....	Unknown	5.0 – 30.0

2. PHYSICAL DATA

BOILING POINT.....	N/A
VAPOR PRESSURE.....	N/A
VAPOR DENSITY.....	N/A
EVAPORATION RATE.....	N/A
SOLUBILITY IN WATER.....	N/A
SP. GRAVITY.....	N/D
PERCENT VOLATILE.....	N/A
VOLATILE ORGANICS.....	N/A
VOC LESS H2O & EXEMPT SOLVENT...	N/A
ph:	N/A
VISCOSITY.....	N/A
MELTING POINT.....	N/D

APPEARANCE AND ODOR: SOLID ABRASIVE PRODUCT, NO ODOR

Abbreviations: N/D – Not Determined

N/A – Not Applicable

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT N/A
FLAMMABLE LIMITS – LEL: N/A
FLAMMABLE LIMITS – UEL: N/A
AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA:

Water, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, facemask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Not applicable.

NFPA-HAZARD-CODES: HEALTH 1 FIRE 0 REACTIVITY 0

UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY – MATERIALS TO AVOID:

None known

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Not applicable.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility in the presence of a combustible material. Dispose of waste product in a sanitary landfill.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

Since regulations vary, consult applicable regulations or authorities before disposal.

OTHER ENVIRONMENTAL INFORMATION:

THE SUBSTRATE THAT WAS ABRADED MUST BE CONSIDERED AS A FACTOR IN THE DISPOSAL METHOD FOR THIS PRODUCT.

SARA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY : No ACUTE: Yes CHRONIC: No

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Wash affected area with soap and water

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician

IF SWALLOWED:

No need for first aid is anticipated

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Wear safety glasses to prevent eye contact with dust created from grinding substrate

SKIN PROTECTION:

Wear gloves to prevent skin contact with dust created from grinding substrate.

VENTILATION PROTECTION:

Provide appropriate local exhaust for grinding, cutting, or sanding cured material. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid the inhalation of dust created by cutting, sanding or grinding. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half-mask dust respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Not applicable

RECOMMENDED STORAGE:

Not applicable

FIRE AND EXPLOSION AVOIDANCE:

Not applicable

EXPOSURE LIMITS

INGREDIENTS	VALUE	UNIT	TYPE	AUTH	SKIN*
BACKING – PAPER OR CLOTH OR FIBER OR FILM.....	NONE	NONE	NONE	NONE	
MINERAL – ALUMINUM OXIDE.....	10	mg/m3	TWA	OSHA	
	as dust				
MINERAL – ALUMINIM OXIDE.....	10	mg/m3	TWA	ACGIH	
	as Al				
CURED ADHESIVE – ORGANIC GLUE OR RESIN OR COMBINATION.....	NONE	NONE	NONE	NONE	

* SKIN NOTATION: Listed substances indicated with “Y” under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- ↑ OSHA: Occupational Safety and Health Administration
- ↑ NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Mechanical eye irritation: signs/symptoms can include irritation, redness, scratching of the cornea and tearing.

Dust created by cutting, grinding, sanding, or machining may cause eye irritation.

SKIN CONTACT:

Mechanical skin irritation: signs/symptoms can include itching and redness.

INHALATION:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

OTHER HEALTH HAZARD INFORMATION:

HEALTH HAZARD DEGREE BASED ON MATERIAL BEING ABRADED

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	MARCH 31, 1992 ISSUE
INGREDIENTS	SECTION CHANGED SINCE	MARCH 31, 1992 ISSUE
FIRE & EXP. DATA	SECTION CHANGED SINCE	MARCH 31, 1992 ISSUE
REACTIVITY DATA	SECTION CHANGED SINCE	MARCH 31, 1992 ISSUE
ENVIRON. DATA	SECTION CHANGED SINCE	MARCH 31, 1992 ISSUE
FIRST AID	SECTION CHANGED SINCE	MARCH 31, 1992 ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	MARCH 31, 1992 ISSUE
HEALTH HAZD. DATA	SECTION CHANGED SINCE	MARCH 31, 1992 ISSUE

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