

ITEM: 6TH49 - Paper Sheet 220 Gr

MSDS: A1318

ORDER: 0022102657

LP NUMBER: U815888168

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

SAFETY DATA SHEET - A1318

Associated Grainger Items  
6TH59, 6TH58, 6TH57, 6TH56, 6TH55, 6TH54, 6TH53, 6TH52, 6TH51, 6TH50, 6TH49

3M GENERAL OFFICES

3M CENTER  
ST. PAUL, MN 55144-1000  
1-800-364-3577 OR (651) 737-6501 (24 HOURS)

MATERIAL SAFETY DATA SHEET

3M

COPYRIGHT, 1999, MINNESOTA MINING AND MANUFACTURING COMPANY. ALL RIGHTS RESERVED. COPYING AND/OR DOWNLOADING OF THIS INFORMATION FOR THE PURPOSE OF PROPERLY UTILIZING 3M PRODUCTS IS ALLOWED PROVIDED THAT:

- 1) THE INFORMATION IS COPIED IN FULL WITH NO CHANGES UNLESS PRIOR AGREEMENT IS OBTAINED FROM 3M, AND
- 2) NEITHER THE COPY NOR THE ORIGINAL IS RESOLD OR OTHERWISE DISTRIBUTED WITH THE INTENTION OF EARNING A PROFIT THEREON.

DIVISION: ABRASIVE SYSTEMS DIVISION

TRADE NAME: 3M GARNET PAPER OR 3M GARNET PRE-CUT(TM) PAPER

ISSUED: AUGUST 27, 1999

SUPERSEDES: FEBRUARY 10, 1999

DOCUMENT: 08-2032-4

1. INGREDIENT

	C.A.S. NO.	PERCENT
PAPER BACKING	UNKNOWN	20 - 70
GARNET	1302-62-1	15 - 60
CURED ADHESIVE	UNKNOWN	5 - 25
ANTILOADING AGENT	UNKNOWN	0 - 20
FILLERS	UNKNOWN	0 - 10

NOTE:  
PRODUCTS INCLUDED ARE: 3M105N, 3M110N, 3M130N, 3M140N

2. PHYSICAL DATA

BOILING POINT: N/A  
VAPOR PRESSURE: N/A  
VAPOR DENSITY: N/A  
EVAPORATION RATE: N/A  
SOLUBILITY IN WATER: N/A  
SPECIFIC GRAVITY: N/D  
PERCENT VOLATILE: N/A  
H: N/A  
VISCOSITY: N/A  
MELTING POINT: N/A  
APPEARANCE AND ODOR: SOLID ABRASIVE PRODUCT, NO ODOR.

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, GLOVES AROUND ARMS, WAIST AND LEGS, FACE MASK, AND PROTECTIVE COVERING FOR PROTECTED AREAS OF THE HEAD.  
USUAL FIRE AND EXPLOSION HAZARDS:  
IF APPLICABLE.  
Hazard Codes:  
H1 1  
RF 0  
REACTIVITY: 0  
USUAL REACTION HAZARD: NONE

4. REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID: NOT APPLICABLE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND CARBON DIOXIDE.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

OBSERVE PRECAUTIONS FROM OTHER SECTIONS. COLLECT SPILLED MATERIAL.

RECOMMENDED DISPOSAL:

DISPOSE OF WASTE PRODUCT IN A SANITARY LANDFILL. DISPOSAL ALTERNATIVE: INCINERATE IN AN INDUSTRIAL OR COMMERCIAL FACILITY IN THE PRESENCE OF A COMBUSTIBLE MATERIAL.

ENVIRONMENTAL DATA:

NOT DETERMINED.

REGULATORY INFORMATION:

VOLATILE ORGANIC COMPOUNDS: N/A.  
VOC LESS H2O & EXEMPT SOLVENTS: N/A.

SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. U.S. EPA HAZARDOUS WASTE NUMBER = NONE (NOT U.S. EPA HAZARDOUS).

OTHER ENVIRONMENTAL INFORMATION:

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

EPCRA 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:

FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

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 BREATHING 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, FULL-FACE DUST RESPIRATOR.

PREVENTION OF ACCIDENTAL INGESTION:

WASH HANDS AFTER HANDLING AND BEFORE EATING.

RECOMMENDED STORAGE:

STORE UNDER NORMAL WAREHOUSE CONDITIONS.

FIRE AND EXPLOSION AVOIDANCE:

KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.

EXPOSURE LIMITS

INGREDIENTS	VALUE	UNIT	TYPE	AUTH	SKIN*
PAPER BACKING	NONE	NONE	NONE	NONE	
GARNET	NONE	NONE	NONE	NONE	
CURED ADHESIVE	NONE	NONE	NONE	NONE	
ANTILOADING AGENT	NONE	NONE	NONE	NONE	
FILLERS	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:

AHA: AMERICAN INDUSTRIAL HYGIENE ASSOC. WORKPLACE ENVIRONMENTAL EXPOSURE LEVEL G  
NONE: NONE ESTABLISHED

8. HEALTH HAZARD DATA

YE  
ECHANICAL EYE IRRITATION: SIGNS/SYMPTOMS CAN INCLUDE IRRITATION, REDNESS, BRACHING OF THE CORNEA AND TEARING. DUST CREATED BY CUTTING, GRINDING, SANDING, OR MACHINING MAY CAUSE EYE IRRITATION.

KIN CONTACT:  
ECHANICAL SKIN IRRITATION: SIGNS/SYMPTOMS CAN INCLUDE ITCHING AND REDNESS.

INHALATION:  
RRITATION (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:  
THIS PRODUCT, WHEN USED UNDER REASONABLE CONDITIONS OR IN ACCORDANCE WITH THE 3M DIRECTIONS FOR USE, SHOULD NOT PRESENT A HEALTH AND SAFETY HAZARD. HOWEVER, USE OR PROCESSING OF THE PRODUCT IN A MANNER NOT IN ACCORDANCE WITH THE PRODUCT'S DIRECTIONS FOR USE MAY AFFECT THE PERFORMANCE OF THE PRODUCT AND MAY PRESENT POTENTIAL HEALTH AND SAFETY HAZARDS.

WHEN DETERMINING THE DEGREE OF HEALTH HAZARDS, THE MATERIAL BEING ABRADED MUST BE CONSIDERED.

REVISED SINCE FEBRUARY 10, 1999 ISSUE

- ABBREVIATIONS:  
/D - NOT DETERMINED  
/A - NOT APPLICABLE  
A - APPROXIMATELY

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET (MSDS) IS BELIEVED TO BE CORRECT AS OF THE DATE ISSUED. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. USER IS RESPONSIBLE FOR DETERMINING WHETHER THE 3M PRODUCT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR USER'S METHOD OF USE OR APPLICATION. EVEN THE VARIETY OF FACTORS THAT CAN AFFECT THE USE AND APPLICATION OF A 3M PRODUCT, SOME OF WHICH ARE UNIQUELY WITHIN THE USER'S KNOWLEDGE AND CONTROL, IT IS ESSENTIAL THAT THE USER EVALUATE THE 3M PRODUCT TO DETERMINE WHETHER IT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR USER'S METHOD OF USE OR APPLICATION.

3M PROVIDES INFORMATION IN ELECTRONIC FORM AS A SERVICE TO ITS CUSTOMERS. DUE TO THE REMOTE POSSIBILITY THAT ELECTRONIC TRANSFER MAY HAVE RESULTED IN ERRORS, OMISSIONS OR ALTERATIONS IN THIS INFORMATION, 3M MAKES NO EFFORTS TO CORRECT SUCH ERRORS AS TO ITS COMPLETENESS OR ACCURACY. IN ADDITION, INFORMATION DERIVED FROM A DATABASE MAY NOT BE AS CURRENT AS THE INFORMATION IN THE SDS AVAILABLE DIRECTLY FROM 3M.