

ITEM: 3WU13 - Disc Flap 60 Grit

ORDER: 0021760175

LP NUMBER: U819159824

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: B0084

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

SAFETY DATA SHEET - B0084

Table with columns: GRAINGER ITEMS, EDV2, YB36, YEL7, YFD9, YFF2, YR4, D656, D644, D613, D601, D584, PT62, RU93, RU78, RU63, RA40, RB1, RB30, RB30, RB99, RY31, VN29, VN42, VN57, VN69, VK15, VK75, VK95, VZ19, VZ57, VZ77, XF26, XF37, XF82, FB77, RA87, GC88, RB75, R905, R935, RC27, RF85, RKS2, RK67, RL41, RM23, 1EDV3, 1YB37, 1YEL8, 1YFD9, 1YFF2, 1YR4, 1D655, 1D644, 1D613, 1D601, 1D584, 1P32, 1RU93, 1RU78, 1RU63, 1RA40, 1RB1, 1RB30, 1RB30, 1RB99, 1RY31, 1VN29, 1VN42, 1VN57, 1VN69, 1VK15, 1VK75, 1VK95, 1VZ19, 1VZ57, 1VZ77, 1XF26, 1XF37, 1XF82, 1FB77, 1RA87, 1GC88, 1RB75, 1R905, 1R935, 1RC27, 1RF85, 1RKS2, 1RK67, 1RL41, 1RM23, 1EDV6, 1YB37, 1YEL8, 1YFD9, 1YFF2, 1YR4, 1D656, 1D644, 1D613, 1D601, 1D584, 1P32, 1RU93, 1RU78, 1RU63, 1RA40, 1RB1, 1RB30, 1RB30, 1RB99, 1RY31, 1VN29, 1VN42, 1VN57, 1VN69, 1VK15, 1VK75, 1VK95, 1VZ19, 1VZ57, 1VZ77, 1XF26, 1XF37, 1XF82, 1FB77, 1RA87, 1GC88, 1RB75, 1R905, 1R935, 1RC27, 1RF85, 1RKS2, 1RK67, 1RL41, 1RM23, 1EDV7, 1YB37, 1YEL8, 1YFD9, 1YFF2, 1YR4, 1D657, 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1XF61, 1XF72, 1XF17, 1FB12, 1RA22, 1GC23, 1RB10, 1R940, 1R970, 1RC62, 1RF20, 1RKS7, 1RK02, 1RL76, 1RM58, 1YB37, 1YEL8, 1YFD9, 1YFF2, 1YR4, 1D692, 1D680, 1D649, 1D637, 1D620, 1P68, 1RU29, 1RU14, 1RU99, 1RU99, 1RU93, 1RA76, 1RB7, 1RB66, 1RB66, 1RB99, 1RY67, 1VN65, 1VN78, 1VN93, 1VN105, 1VK51, 1VK11, 1VZ55, 1VZ93, 1VZ13, 1XF62, 1XF73, 1XF18, 1FB13, 1RA23, 1GC24, 1RB11, 1R941, 1R971, 1RC63, 1RF21, 1RKS8, 1RK03, 1RL77, 1RM59, 1YB37, 1YEL8, 1YFD9, 1YFF2, 1YR4, 1D693, 1D681, 1D650, 1D638, 1D621, 1P69, 1RU30, 1RU15, 1RU00, 1RU00, 1RU94, 1RA77, 1RB8, 1RB67, 1RB67, 1RB99, 1RY68, 1VN66, 1VN79, 1VN94, 1VN106, 1VK52, 1VK12, 1VZ56, 1VZ94, 1VZ14, 1XF63, 1XF74, 1XF19, 1FB14, 1RA24, 1GC25, 1RB12, 1R942, 1R972, 1RC64, 1RF22, 1RKS9, 1RK04, 1RL78, 1RM60, 1YB37, 1YEL8, 1YFD9, 1YFF2, 1YR4, 1D694, 1D682, 1D651, 1D639, 1D622, 1P70, 1RU31, 1RU16, 1RU01, 1RU01, 1RU95, 1RA78, 1RB9, 1RB68, 1RB68, 1RB99, 1RY69, 1VN67, 1VN80, 1VN95, 1VN107, 1VK53, 1VK13, 1VZ57, 1VZ95, 1VZ15, 1XF64, 1XF75, 1XF20, 1FB15, 1RA25, 1GC26, 1RB13, 1R943, 1R973, 1RC65, 1RF23, 1RKS0, 1RK05, 1RL79, 1RM61, 1YB37, 1YEL8, 1YFD9, 1YFF2, 1YR4, 1D695, 1D683, 1D652, 1D640, 1D623, 1P71, 1RU32, 1RU17, 1RU02, 1RU02, 1RU96, 1RA79, 1RB0, 1RB69, 1RB69, 1RB99, 1RY70, 1VN68, 1VN81, 1VN96, 1VN108, 1VK54, 1VK14, 1VZ58, 1VZ96, 1VZ16, 1XF65, 1XF76, 1XF21, 1FB16, 1RA26, 1GC27, 1RB14, 1R944, 1R974, 1RC66, 1RF24, 1RKS1, 1RK06, 1RL80, 1RM62, 1YB37, 1YEL8, 1YFD9, 1YFF2, 1YR4, 1D696, 1D684, 1D653, 1D641, 1D624, 1P72, 1RU33, 1RU18, 1RU03, 1RU03, 1RU97, 1RA80, 1RB1, 1RB70, 1RB70, 1RB99, 1RY

HAZARD CLASS:

THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY THE DEPARTMENT OF TRANSPORTATION. (USA)

THIS PRODUCT IS "NOT REGULATED" UNDER THE TRANSPORTATION OF DANGEROUS GOODS CT.

SECTION 15. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION:

SUBSTANCE DESCRIPTION	UNITS	OSHA	ACGIH	MCL
ALUMINUM OXIDE, NON-FIBROUS	MG/M3	15.0000	10.0000	10.0000
LOTH OR PAPER BACKING	PPM	0.0000	0.0000	0.0000
LEAD SYSTEM	PPM	0.0000	0.0000	0.0000
ORGANIC FLUORIDES	MG/M3	2.5000	2.5000	2.5000
ZIRCONIUM	MG/M3	5.0000	0.0000	0.0000

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS:

A PROP 65: NOT APPLICABLE

SCA:

SECTION 8(B) - INVENTORY STATUS:

ALL COMPONENTS OF THIS PRODUCT ARE REGISTERED UNDER THE REGULATIONS OF THE TOXIC SUBSTANCE CONTROL ACT.

DOMESTIC SUBSTANCE LIST:

ALL COMPONENTS OF THIS PRODUCT ARE FOUND ON THE DOMESTIC SUBSTANCE LIST.

SECTION 16. OTHER INFORMATION

DISCLAIMER:

THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE TAKEN FROM SOURCES BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF; HOWEVER, THE COMPANY MAKES NO WARRANTY WITH RESPECT TO THE ACCURACY OF THE INFORMATION OR THE LIABILITY OF THE RECOMMENDATIONS, AND ASSUMES NO LIABILITY TO ANY USER HEREOF.

KEY TO ABBREVIATIONS:

- {} = EQUAL
- { } = LESS THAN
- { } = GREATER THAN
- { } = APPROXIMATELY
- { } = []
- { } = NO DATA AVAILABLE

EYE PROTECTION: SAFETY GOGGLES OR FACE SHIELD.

OTHER:
PROTECTIVE CLOTHING AS NEEDED TO PREVENT CONTAMINATION OF PERSONAL CLOTHING.
HEARING PROTECTION MAY BE REQUIRED FOR GRINDING OPERATIONS

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

SOLUBILITY IN WATER: INSOLUBLE

SPECIFIC GRAVITY: N/A

MELTING POINT: N/A

VAPOR PRESSURE (MMHg): N/A

VAPOR DENSITY (AIR = 1): N/A

EVAPORATION RATE: N/A

APPEARANCE AND ODOR: SOLID WHEEL, BLACK, BROWN OR REDDISH COLOR.

10. STABILITY AND REACTIVITY DATA

STABILITY: STABLE

REACTIVITY/INCOMPATIBILITY (MATERIALS OR CONDITIONS TO AVOID): NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS:
DUST FROM GRINDING COULD CONTAIN INGREDIENTS LISTED IN SECTION 2 AND OTHER,
POTENTIALLY MORE HAZARDOUS COMPONENTS OF THE BASE MATERIAL BEING GROUND OR
COATINGS APPLIED TO THE BASE MATERIAL.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

11. TOXICOLOGICAL DATA

NO TOXICITY DATA IS AVAILABLE FOR THIS PRODUCT. THIS PRODUCT IS NOT ACUTELY
TOXIC.

12. ECOLOGICAL DATA

NO ECOLOGICAL DATA IS AVAILABLE FOR THIS PRODUCT. NO HAZARDS TO THE
ENVIRONMENT ARE EXPECTED FROM THIS PRODUCT. HOWEVER, CONSIDERATION MUST BE
GIVEN TO POTENTIAL ENVIRONMENT EFFECTS OF THE BASE MATERIAL BEING GROUND.

13. DISPOSAL

FOLLOW ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

14. TRANSPORTATION DATA

THIS PRODUCT IS NOT REGULATED FOR TRANSPORTATION.

15. ENVIRONMENTAL REGULATORY DATA

OSHA SECTION 311/312 HAZARD CATEGORIES: N/A

OSHA SECTION 313:

SOME PRODUCTS CONTAIN THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING
REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND
REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372 (TOXIC CHEMICAL RELEASE
REPORTING:

IRON SULFIDE 1314-98-3 0-5%

(ONLY IN TYPE 29 CHALLENGER FLEXIBLE GRINDING/BLENDING WHEELS)

CALIFORNIA PROPOSITION 65:
THIS PRODUCT IS NOT KNOWN TO CONTAIN CHEMICALS REGULATED UNDER THE CALIFORNIA SAFE
DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986.

CANADIAN WHMIS CLASSIFICATION:
NOT A CONTROLLED PRODUCT. THIS PRODUCT MEETS THE DEFINITION OF A
"MANUFACTURED ARTICLE" UNDER THE WHMIS REGULATIONS.

16. OTHER INFORMATION

FPA HAZARD RATING:
HEALTH 1
FIRE 0
REACTIVITY 0

DATE PREVIOUS REVISION: 4/9/03

DATE THIS REVISION: 12/7/06

REVISION SUMMARY: COMPREHENSIVE REVIEW, MOVED EXPOSURE LIMITS TO SECTION 8.

PREPARED BY: DENESE A. DEEDS, CIH IH&SC INC., WOODBRIDGE, CT 06525

THE PRECEDING INFORMATION IS BELIEVED TO BE CORRECT AND CURRENT AS OF THE
DATE OF PREPARATION OF THIS MATERIAL SAFETY DATA SHEET. SINCE THE USE OF
THIS INFORMATION AND THE CONDITIONS OF USE OF THIS PRODUCT ARE NOT WITHIN
THE CONTROL OF UNITED ABRASIVES, INC., IT IS THE USERS OBLIGATION TO ASSURE
SAFE USE OF THIS PRODUCT.