ITEM: 1EDP2 - PK25 Locking Disc AlO 2in 80 Grit

ORDER: 0130544273

SDS: B9248

ociated Grainger Items

LP NUMBER: U236034997-A

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS NO.: ALCOATOO1 OUTBOUND

4MAC5, 1YEJ8, 1YEH3, 1YEJ9, 1YEH6, 1YEK3, 1YEU5, ALUMINUM OXIDE COATED ABRASIVE 1YEK1 1YEK2 1YEU4 1YEK4 1YEP9 1YER2 1YER3 1YER4 1YER8. 1YEU1 1YEU3 1YEV4 1YEV5 1YEV6 1YEV7 1YEV8 DATE PRINTED: FEB 26, 2010 1YEW1 1YEX3 1YEW4 1YFB1 1YEW5 1YFB2 1YEW6, 1YFB3, 1YEW8 1YFB5 V9, K2, B8, D1, H6, J8, L7, 82, 56, 48, 41, 1YEW2 1YEW3 1YEW7 1YFB4 1YEX4 1YEX5 1YFB6 1YFB7 - SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION -1YFB9 1YFC1 1YFD3 1YFC2 1YFC3 1YFC4 1YFC5 1YFC6 1YECT 1YFC8 1YFD2 1YFD4 1YFH9 1YFD5 1YFJ1 1YFD6 1YFJ2 1YFD7 1YFJ3 1YFH2 1YFJ4 1YFH3 1YFH5 1YFJ7 1YFH8 PRODUCT NAME: ALUMINUM OXIDE COATED ABRASIVE 1YFJ5 1YFK1 1YFK2 1YFK3 1YFK4 1YFK5 1YFL3 1YFL4 1YFL5 1YFL6 1YFL8 1YFL9 1YFN1 1YFN4 1 YENS 1PP77, 1PR51, 1PP78 1PR52 1PP80 1PR54 1PP81 1PR55 TRADE NAME. 1PR47 1PR58 1PT50 1PR49 1PR95 1PT52 1PR46 1PR57 1PR48 1PR59 1PR50 1PR96 ADALOX OR ABRASIVE CAP CODES: HIXX, ALXX, AZXX, EZXX, FZXX, GZXX, HZXX, KZXX, QLXX, QZXX, RZXX, SZXX, TZXX, UZXX, WZ 1PT32, 1PT54, 2D538, 2D551, 2D594, 1PT43 1PT55 2D539 2D552 1PT44, 1PT56, 2D542, 2D553, 1PT45 1PT46 1PT53, 2D537, 2D550, 1PT49 1PW42 1PT51 1PW39 1PW40 2D535 2D548 2D559 2D536 2D549 2D560 2D543 2D554 2D544 2D555 2D534 2D546 2D557 2D547 2D558 MANUFACTURER (4): SAINT-GOBAIN ABRASIVES, INC. ONE NEW BOND STREET WORCESTER, MA 01615-0008 (508) 795-5000 2D593 2D597 2D595 2D596 2D616 2D618 2D619 2D620 2D621 2D622 2D623 2D624 2D625 2D626 2D627 2D620 2D683 2D697 2D721 2D684 2D698 2D722 2D685, 2D699, 2D723, 2D686, 2D700, 2D724, 80 94 06 29 2D681 2D695 2D682 2D696 2D703 2D704 2D702 2D705 2D718 2D719 2D725 2D726 2D727 2D728 2D732 2D743 2D733 2D744 2D735, 2D746, 2D737, 2D748, 2D738 2D797 2D739 2D798 20730 2D73 2D734 40 99 54 65 80 93 19 33 44 55 67 23 43 54 71 2D745 REVISION DATE: 1/26/2010 2D800 2D806 2D801 2D802 2D807 2D811 2D812 3DU51. 3DU52 3DU53 3DU57 3DU69 3DU85 3DV10 3DV25 3DV36 3DV47 3DU55 3DU67 3DU83 3DU59, 3DU71, 3DU60 3DU56 3DU58 30061 3DU62 3DU63 MSDS PRINT FORMAT: NUSA 3DU58 3DU70 3DU86 3DV12 3DV26 3DV37 3DV48 3DU68 3DU84 3DU99 3DU87 3DU88 3DU89 3DU90 3DU91 3DU92 3DV14, 3DV28, 3DV39, 3DV50, 3DV16, 3DV30, 3DV41, 3DV18 3DV32 311194 3DV1 5 3DV17 - SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS -3DV20 3DV34 3DV45 3DV24 3DV35 3DV46 3DV13 3DV27 3DV38 3DV49 SUBSTANCE DESCRIPTION PERCENT 3DV42 3DV43 CAS# 3DV51 3DV52 3DV53 3DV54 3DV57 3PY89 3DV58 3PY91 3DV59 3PY93 3DV60 3PY95 3DV61 3PY97 3DV63 3RA17 3DV65 3RA21 3DV56 3DV62 3170/6 ALUMINUM OXIDE, NON-FIBROUS 15.000 - 25.000 3RA15 3RA19 CLOTH OR PAPER BACKING 45,000 - 55,000 N/A 3RB33 3RB34 3RB35 3RB36 3RB37 3RB38 3RB39 3RB40 3RB41 3RB42 3RB44 3RB45 3RB46 3RB47 3RB48 3RB49 3RB50 3RB51 3RB52 3RB53 3RB62 3RB78 3RB63 3RB85 3RB64 3RB86 3RB66 3RB88 10.000 - 30.000 N/A 3RB76 3RB87 3RB89 3RB90 3RB91 3RB92 CALCIUM CARBONATE 3RB94 3RB95 3RB97 3RB98 3RB99 3RE10 3RE11 3RE12 3RE13 3RE14 10.000 - 20.000 1317-65-3 3RE24 3RE35 3RE46 3RE16 3RE17 3RE18 3RE19 3PE20 3RE21 3RE32 3RE22 3RE23 30536 ** SUBSTANCE IS A COMPOUND AND/OR MIXTURE **3RE38** 3RE39 3RE40 3RE41 3RE42 3RE43 3RE44 3RE45 3RE47 48 60 72 83 95 16 27 87 13 24 3RF49 3RE50 3RE51 3RE52 3RE53 3RE54 3RESS 3RE56 3RE69 3RE57 3RE58 OTHER: NOT APPLICABLE 3RE61 3RE73 3RE74 3RE75 3RE76 3RE77 3RE78 3RE79 3RE80 3RE81 3RE82 3RE84 3RE86 3RE87 3RE88 3RE89 3RE90, 3RU11, 3RE91 3RE92 3RE93 3RE94 - SECTION 3. HAZARDS IDENTIFICATION -3RE96 3RU17 3RE97 3RU18 3RE99 3RU20 INHALATION ACUTE EXPOSURE EFFECTS: 3RU19 3RU23 3RU24 3RU22 3RU25 DUST MAY BE SLIGHTLY IRRITATING TO EYES AND RESPIRATORY TRACT AT HIGH 3RU28 3RII29 3RIJ88 3RY36 3RY37 3RY38 3UM60 3UM62 3UM67 31JM86 3UN07, 3UN18, 3UN08 3UN19 3UN09 3UN20 3UN12 3UN23 3UM88 31M89 SUMOS 3UN06 3UN10 31 N1 1 CONCENTRATIONS 3UN15 3UN17 INHALATION CHRONIC EXPOSURE EFFECTS: 3UN36 3UN38 3UN32 3UN33 3UN34 3UN35 3UN37 3UN39 3UN40 3UN41 3UP56 3VL66 3VM15 3VM36 3VM53 3VM98 3VIJ56 3VM02 3VM22 3VM41 3VM90 3VN05 3UP53 3VL62 3VM10 3VM31 3UP54 3VL63 3VM13 3VK61, 3VL73, 3VM18, 3VM38, 3VK79, 3VL76, 3VM19, 3VM39, 3VL57 3VM03 3VM27 3VM44 42 3UP55 3VL55 3VI.58 3VL55 3VL79 3VM20 3VM40 3VM89 3VN03 3VN15 3VL64 3VM14 3VM35 3VM04 3VM28 3VM46 59, 06, 29, 48, 93, 08, 23, 81, 55, 72, 95, 18 CHRONIC: MAY AFFECT BREATHING CAPACITY. FOR PRODUCTS CONTAINING PHENOL/FORMALDEHYDE RESIN, DUST GENERATED FROM INTENDED USE MAY CONTAIN TRACE AMOUNTS OF PHENOL AND FORMALDEHYDE WHICH UNDER EXCESSIVE EXPOSURE MAY CAUSE SKIN SENSITIZATION AND AIRWAY OBSTRUCTION. 3VM33 3VM49 3VM94 3VN09 3VM50 3VM95 3VN10 3VM52 3VM97 3VN11 3VM54, 3VM99, 3VN13, 3VM91 3VN06 3VN17 3VM88 3VN01 3VM92 3VN07 3VN14, 3VW17, 3VW60, 3VX30, 3VN12 3VN16 3VP20 3VN12, 3VW15, 3VW49, 3VX26, 3WH61, 3WH78, 3WJ05, FOR PRODUCTS CONTAINING INORGANIC FLUORIDES: EXCESSIVE EXPOSURE TO INORGANIC FLUORIDES HAVE BEEN SHOWN TO INCREASE BONE DENSITY. 3VW11 3VW42 3VX23 3VW12 3VW45 3VX24 3W13 3W48 3VX25 3VW16 3VW59 3VX27 3VW22 3VW62 3VZ35 3VW23 3VW64 3VZ73 3VW27 3VW76 3WH53 3WH69 3VW28 3VW78 3WH54 3WH71 3WH64 3WH81 3WJ07 3WH59 3WH57 3WH58 3WH65 3WH66 3WH67 3WH73 3WJ01 3WH76 3WJ03 SWHWS SWJOS 3WH84 3WJ09 3WH85 3WH88 3WH90 EYE CONTACT ACUTE EXPOSURE EFFECTS: DUST MAY IRRITATE EYES. 3WJ11 SKIN CONTACT ACUTE EXPOSURE EFFECTS: SOME MAY EXPERIENCE SKIN IRRITATION FROM DUST. 3WJ24, 3WJ46, 3WJ64, 3WJ19 3WJ20 3WJ21 3WJ23. 3WJ25 3WJ26 3WJ28 3WJ32 3WJ33 3WJ45, 3WJ62, 3WJ99, 3WJ52 3WJ71 3WK18 3WJ53 3WJ74 3WK25 3WK43 34 58 78 30 43 61 73 62 95 09 47 3WJ36 3WJ59 3WJ43 3WJ60 3WJ44 3WJ61 3WJ47 3WJ68 3WJ54 3WJ55 3WJ77 3WK29 3XD42 INGESTION ACUTE EXPOSURE EFFECTS: NO KNOWN ADVERSE EFFECTS, BUT INGESTION NOT RECOMMENDED. 3WJ79 3WK31 3WJ81 **3WK03** 3WJ98 3WK09 3WK27 3XD39 3WK32 3WK34 3WK36 3WK37 3WK40 3WK41 3XF47 3XF51, 3XF66, 3XF57 3XF68 3XF58 3XF70 3XF59 3XF71 3XF60 3XF72 3XF63 3XF62 - SECTION 4. FIRST AID MEASURES -3XF74, 4F883, 4F897, 4F910, 3XF76 3XY65 4F855 4F856, 4F857 4F858 4F859 4F860 4F861 4F856, 4F887, 4F901, 4F926, 4LL17, 5A949, 5A960, 5A971, 4F886, 4F900, 4F915, 4LL16, 4F888, 4F904, 4F927, 4F890 4F905 4F928 4F893 4F907 4F930 4F894 4F908 4F931 4F884 4F898 4F885 4F899 4F892 4F906 INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY. 4F914 4LL15 5A947 5A958 4F913 4F929 4F949 5A945 5A956 411.12 4RA91 4RA92 4RA93 5A942 5A943 5A954 5A965 5A978 44 55 66 80 91 04 15 31 04 44 68 5A946 5A957 5A948, 5A959, 5A950 5A961 5A952 5A963 5A953 5A964 5A977 SKIN CONTACT: WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE. 5A973 5A976 5A967 5A968 5A969 5A970 5A972 5A981 5A992 6A005 5A982 5A994 6A006 5A983 5A995 6A007 5A984, 5A996, 6A008, 5A985 5A997 5A986, 5A998, 6A010, 5A990 6A003 6A014 5A987 54988 5A989 6A001 6A012 6A002 EYE CONTACT:
WASH WITH LARGE AMOUNTS OF WATER. OBTAIN FIRST AID AND MEDICAL ASSISTANCE, IF 6A009 6A011 6A016 6A032 6A017 6A033 6A018 6A034 6A021 6A036 6A022 6A025 6A026 6A027 6A028 6A030 6A040 6RC40 6RC64 6A038 6RC36 6A039 6RC39 6A052 6RC41 6A053 6RC42 6MT01 6RC43 INGESTION: CALL POISON CONTROL CENTER, HOSPITAL EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY. 6MT06 6MT19 6MT20 6PF47 6RC60 6RC45 6RC69 GRC57 6RC59 6RC71 6RD72 6RC62 6RC63 6RC65 6RC66 6RC67 6RC72 6RD73 6RC73 6RD74 6RC74 6RD75 6RC75 6RC76 6RC77 6RD79 6RC78 69 81 6RD70 6RD71 - SECTION 5. FIRE FIGHTING MEASURES 6RF74 6RJ66 6RK37 6RF77, 6RJ68, 6RK39, 6RF87 6RJ72 6RK41 6RD82 6RF75 6RJ67 **6RF86 6RF88** 6RF89 6RF92 6RG17 6RJ65 6RK36 6R.171 6R.T84 6RK26 6RK2.7 6RK32 6RK43 6RK94 6RK44 6RK95 6RK45 6RK96 6RK46 6RL82 6RK38 FIRE FIGHTING PROCEDURES: NOT APPLICABLE 6RK48 6RK49 6RK83 6RK84. 6RK85 6RKB7 6RM16 1EDL4 1EDP3 HAZARDOUS PRODUCTS/COMBUSTION: NONE. 6RM05 1EDK5 6RMO6 6RMI1 6RM15 6RM17 6RM20 1EDJ6 1EDJ8 1EDK9 1EDP1 1EDL6 1EDL8 1EDP5 1EDK7 1EDL2 1EDN1 1EDN3 1EDP7 HAZARD RATING SOURCE: 1EDP2 1EDN7 1EDN8 1EDN9 1EDT8 1EDPS 1EDT1 1EDT2 1EDT3 1EDT4 1EDTS 1EDI6 1EDI7 NFPA: HEALTH 1EDU2 1YFN8 1EDU3 1YFP1 1 EDI 14 1EDU5 1EDU6 1EDU7 1EDU8 1EDU9 1EDV1 1YFN6 1YFP3 1YFP5 1YFP 1YFR2 1YFV7 3MHT5 1YFR4 1YFV9 1YFR6 1YFR8 1YFW4 FLAMMABILITY 0 REACTIVITY 1YFW2 1YFV1 1YFT3 1YFT5 1YFT8 2RVC3 4YDE5 2RVC4 2RVC5 3MHR6 3MHR7 3MHR8 3MHT6 4YDE2 4YDE6 4YDE7 4YDE8 8ATX9 8AKT7 8AKT8 9CJA4 RAKT9 BAL 04 BALO5 OTHER 06, X1, **8AL07** 9VN03. - SECTION 6. ACCIDENTAL RELEASE MEASURES TON CLEAN-UP: FOLLOW NORMAL CLEAN UP PROCEDURES. ERIAL SAFETY DATA SHEET - SECTION 7. HANDLING AND STORAGE -TON USA FORMAT MSDS: ALCOATO01

DLING: HANDLE WITH ADEQUATE VENTILATION FOR NUISANCE DUST. - SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION TILATION PROTECTION: OMMEND USING LOCAL EXHAUST VENTILATION WHEN GENERAL VENTILATION IS NOT PING THE AIRBORNE CONCENTRATION BELOW THE TLV. PIRATORY PROTECTION: PIRATORS ARE REQUIRED WHEN AIRBORNE CONTAMINANT LEVELS EXCEED THE TLV(S). PROTECTION:
AYS WEAR SAFETY GLASSES OR SOME TYPE OF EYE PROTECTION WHILE SANDING. ER PROTECTION: OF THIS PRODUCT MAY CREATE ELEVATED SOUND LEVELS. HEARING PROTECTION
ULD BE WORN WHERE REQUIRED (SEE OSHA 29 CFR 1910.134 AND OTHER APPLICABLE ULATIONS). - SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES -EARANCE & ODOR: SOLID ARTICLE. ODORLESS. - SECTION 10. STABILITY AND REACTIVITY -OMPATIBILITIES: AVOID ACIDS OF ALL TYPES WITH A DH <4.0. CES, DUST AND DECOMPOSING ODORS MAY BE GENERATED. IN MOST CASES, THE SRIAL REMOVED FROM THE WORKPLACE WILL BE SIGNIFICANTLY GREATER THAN THE DPAPER COMPONENTS. COCLANTS MAY PRODUCE OTHER DECOMPOSITION PRODUCTS. PRODUCTS CONTAINING PHENOL AND FORMALDEHYDE RESIN, THERMAL DECOMPOSITION PRODUCE TRACE AMOUNTS OF PHENOL AND FORMALDEHYDE. PRODUCTS CONTAINING INORGANIC FLUORIDES, THERMAL COMPOSITION MAY PRODUCE CE AMOUNTS OF FLUORIDES. — SECTION 11. TOXICOLOGICAL INFORMATION -CINOGENICITY: NOT APPLICABLE O/LC50: VALUES ARE NOT APPROPRIATE OR AVAILABLE. - SECTION 12. ECOLOGICAL INFORMATION MICAL FATE: NOT APPLICABLE - SECTION 13. DISPOSAL CONSIDERATIONS -TE DISPOSAL: STANDARD LANDFILL METHODS CONSISTENT WITH APPLICABLE FEDERAL, STATE, VINCIAL AND LOCAL LAWS. - SECTION 14. TRANSPORT INFORMATION ARD CLASS: S PRODUCT IS NOT HAZARDOUS AS DEFINED BY THE DEPARTMENT OF TRANSPORTATION. S PRODUCT IS "NOT REGULATED" UNDER THE TRANSPORTATION OF DANGEROUS GOODS . (CAN) - SECTION 15. REGULATORY INFORMATION -OSURE LIMITS/REGULATORY INFORMATION: OSHA ACGIH MOL STANCE DESCRIPTION UNITS MINUM OXIDE, NON-FIBROUS MG/M3 15.0000 10.0000 10.0000 0.0000 0.0000 0.0000 TH OR PAPER BACKING PPM 0.0000 0.0000 DER SYSTEM PPM 0.0000 10.0000 0.0000 CIUM CARBONATE MG/M3 15,0000 END: OSURE LIMIT DESCRIPTIONS: PROP 65: NOT APPLICABLE A: SECTION 8(B) - INVENTORY STATUS COMPONENTS OF THIS PRODUCT ARE REGISTERED UNDER THE REGULATIONS OF THE IC SUBSTANCE CONTROL $\ensuremath{\mathrm{ACT}}$. ESTIC SUBSTANCE LIST:
COMPONENTS OF THIS PRODUCT ARE FOUND ON THE DOMESTIC SUBSTANCE LIST. - SECTION 16. OTHER INFORMATION -CLAIMER: CLAIMER:
INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE TAKEN FROM SOURCES
INFORMATION AND RECOMMENDATIONS SET FORTH HEREIF; HOWEVER, THE COMPANY MAKES NO
RAMIY WITH RESPECT TO THE ACCURACY OF THE INFORMATION OR THE STATEMENT OF
RECOMMENDATIONS, AND ASSUMES NO LIABILITY TO ANY USER THEREOF. TO ABBREVIATIONS:

EQUAL LESS THAN GREATER THAN APPROXIMATELY TRACE NO DATA AVAILABLE