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MSDS

Common Name: ALUMINUM OXIDE COATED ABRASIVE, ALCOAT001 OUTBOUND

Manufacturer: SAINT-GOBAIN ABRASIVES

MSDS Revision Date: 1/26/2010

Grainger Item Number(s): 1EDJ6, 1EDJ8, 1EDK1, 1EDK3, 1EDK5, 1EDK7, 1EDK9, 1EDL2, 1EDL4, 1EDL6, 1EDL8, 1EDN1, 1EDN3, 1EDN5, 1EDN7, 1EDN8, 1EDN9, 1EDP1, 1EDP2, 1EDP3, 1EDP4, 1EDP5, 1EDP6, 1EDP7, 1EDP8, 1EDP9, 1EDT1, 1EDT2, 1EDT3, 1EDT4, 1EDT5, 1EDT6, 1EDT7, 1EDT8, 1EDT9, 1EDU1, 1EDU2, 1EDU3, 1EDU4, 1EDU5, 1EDU6, 1EDU7, 1EDU8, 1EDU9, 1EDV1, 1KUK6, 1PP77, 1PP78, 1PP79, 1PP80, 1PP81, 1PP82, 1PR46, 1PR47, 1PR48, 1PR49, 1PR50, 1PR51, 1PR52, 1PR53, 1PR54, 1PR55, 1PR56, 1PR57, 1PR58, 1PR59, 1PR95, 1PR96, 1PT32, 1PT43, 1PT44, 1PT45, 1PT46, 1PT48, 1PT49, 1PT50, 1PT51, 1PT52, 1PT53, 1PT54, 1PT55, 1PT56, 1PW39, 1PW40, 1PW41, 1PW42, 1YEH3, 1YEH4, 1YEH5, 1YEH6, 1YEJ2, 1YEJ3, 1YEJ4, 1YEJ5, 1YEJ6, 1YEJ7, 1YEJ8, 1YEJ9, 1YEK1, 1YEK2, 1YEK3, 1YEK4, 1YEP9, 1YER2, 1YER3, 1YER4, 1YER6, 1YER8, 1YEU1, 1YEU3, 1YEU4, 1YEU5, 1YEV4, 1YEV5, 1YEV6, 1YEV7, 1YEV8, 1YEV9, 1YEW1, 1YEW2, 1YEW3, 1YEW4, 1YEW5, 1YEW6, 1YEW7, 1YEW8, 1YEW9, 1YEX1, 1YEX2, 1YEX3, 1YEX4, 1YEX5, 1YFB1, 1YFB2, 1YFB3, 1YFB4, 1YFB5, 1YFB6, 1YFB7, 1YFB8, 1YFB9, 1YFC1, 1YFC2, 1YFC3, 1YFC4, 1YFC5, 1YFC6, 1YFC7, 1YFC8, 1YFC9, 1YFD1, 1YFD2, 1YFD3, 1YFD4, 1YFD5, 1YFD6, 1YFD7, 1YFH2, 1YFH3, 1YFH4, 1YFH5, 1YFH6, 1YFH7, 1YFH8, 1YFH9, 1YFJ1, 1YFJ2, 1YFJ3, 1YFJ4, 1YFJ5, 1YFJ6, 1YFJ7, 1YFJ8, 1YFJ9, 1YFK1, 1YFK2, 1YFK3, 1YFK4, 1YFK5, 1YFL3, 1YFL4, 1YFL5, 1YFL6, 1YFL7, 1YFL8, 1YFL9, 1YFN1, 1YFN4, 1YFN5, 1YFN6, 1YFN7, 1YFN8, 1YFP1, 1YFP3, 1YFP5, 1YFP7, 1YFP9, 1YFR2, 1YFR4, 1YFR6, 1YFR8, 1YFT1, 1YFT3, 1YFT5, 1YFT8, 1YFV1, 1YFV3, 1YFV5, 1YFV7, 1YFV9, 1YFW2, 1YFW4, 2D534, 2D535, 2D536, 2D537, 2D538, 2D539, 2D542, 2D543, 2D544, 2D545, 2D546, 2D547, 2D548, 2D549, 2D550, 2D551, 2D552, 2D553, 2D554, 2D555, 2D556, 2D557, 2D558, 2D559, 2D560, 2D593, 2D594, 2D595, 2D596, 2D597, 2D616, 2D617, 2D618, 2D619, 2D620, 2D621, 2D622, 2D623, 2D624, 2D625, 2D626, 2D627, 2D680, 2D681, 2D682, 2D683, 2D684, 2D685, 2D686, 2D687, 2D688, 2D689, 2D690, 2D694, 2D695, 2D696, 2D697, 2D698, 2D699, 2D700, 2D702, 2D703, 2D704, 2D705, 2D706, 2D718, 2D719, 2D721, 2D722, 2D723, 2D724, 2D725, 2D726, 2D727, 2D728, 2D729, 2D730, 2D731, 2D732, 2D733, 2D734, 2D735, 2D736, 2D737, 2D738, 2D739, 2D740, 2D741, 2D742, 2D743, 2D744, 2D745, 2D746, 2D747, 2D748, 2D797, 2D798, 2D799, 2D800, 2D801, 2D802, 2D806, 2D807, 2D811, 2D812, 2RVC2, 2RVC3, 2RVC4, 2RVC5, 3DU51, 3DU52, 3DU53, 3DU54, 3DU55, 3DU56, 3DU57, 3DU58, 3DU59, 3DU60, 3DU61, 3DU62, 3DU63, 3DU64, 3DU65, 3DU67, 3DU68, 3DU69, 3DU70, 3DU71, 3DU72, 3DU73, 3DU75, 3DU76, 3DU78, 3DU80, 3DU83, 3DU84, 3DU85, 3DU86, 3DU87, 3DU88, 3DU89, 3DU90, 3DU91, 3DU92, 3DU93, 3DU94, 3DU99, 3DV10, 3DV12, 3DV13, 3DV14, 3DV15, 3DV16, 3DV17, 3DV18, 3DV19, 3DV20, 3DV24, 3DV25, 3DV26, 3DV27, 3DV28, 3DV29, 3DV30, 3DV31, 3DV32, 3DV33, 3DV34, 3DV35, 3DV36, 3DV37, 3DV38, 3DV39, 3DV40, 3DV41, 3DV42, 3DV43, 3DV44, 3DV45, 3DV46, 3DV47, 3DV48, 3DV49, 3DV50, 3DV51, 3DV52, 3DV53, 3DV54, 3DV55, 3DV56, 3DV57, 3DV58, 3DV59, 3DV60, 3DV61, 3DV62, 3DV63, 3DV64, 3DV65, 3DV67, 3DV68, 3MHR6, 3MHR7, 3MHR8, 3MHT5, 3MHT6, 3PY89, 3PY91, 3PY93, 3PY95, 3PY97, 3RA15, 3RA17, 3RA19, 3RA21, 3RA23, 3RB33, 3RB34, 3RB35, 3RB36, 3RB37, 3RB38, 3RB39, 3RB40, 3RB41, 3RB42, 3RB43, 3RB44, 3RB45, 3RB46, 3RB47, 3RB48, 3RB49, 3RB50, 3RB51, 3RB52, 3RB53, 3RB54, 3RB55, 3RB62, 3RB63, 3RB64, 3RB65, 3RB66, 3RB67, 3RB68, 3RB69, 3RB70, 3RB71, 3RB76, 3RB78, 3RB85, 3RB86, 3RB87, 3RB88, 3RB89, 3RB90, 3RB91, 3RB92, 3RB93, 3RB94, 3RB95, 3RB97, 3RB98, 3RB99, 3RE10, 3RE11, 3RE12, 3RE13, 3RE14, 3RE15, 3RE16, 3RE17, 3RE18, 3RE19, 3RE20, 3RE21, 3RE22, 3RE23, 3RE24, 3RE25, 3RE26, 3RE27, 3RE28, 3RE29, 3RE30, 3RE31, 3RE32, 3RE33, 3RE34, 3RE35, 3RE36, 3RE37, 3RE38, 3RE39, 3RE40, 3RE41, 3RE42, 3RE43, 3RE44, 3RE45, 3RE46, 3RE47, 3RE48, 3RE49, 3RE50, 3RE51, 3RE52, 3RE53, 3RE54, 3RE55, 3RE56, 3RE57, 3RE58, 3RE60, 3RE61, 3RE62, 3RE64, 3RE65, 3RE66, 3RE67, 3RE68, 3RE69, 3RE70, 3RE71, 3RE72, 3RE73, 3RE74, 3RE75, 3RE76, 3RE77, 3RE78, 3RE79, 3RE80, 3RE81, 3RE82, 3RE83, 3RE84, 3RE86, 3RE87, 3RE88, 3RE89, 3RE90, 3RE91, 3RE92, 3RE93, 3RE94, 3RE95, 3RE96, 3RE97, 3RE98, 3RE99, 3RU10, 3RU11, 3RU12, 3RU13, 3RU14, 3RU15, 3RU16, 3RU17, 3RU18, 3RU19, 3RU20, 3RU21, 3RU22, 3RU23, 3RU24, 3RU25, 3RU26, 3RU27, 3RU28, 3RU29, 3RU88, 3RY36, 3RY37, 3RY38, 3UM60, 3UM62, 3UM67, 3UM86, 3UM87, 3UM88, 3UM89, 3UN05, 3UN06, 3UN07, 3UN08, 3UN09, 3UN10, 3UN11, 3UN12, 3UN13, 3UN14, 3UN15, 3UN16, 3UN17, 3UN18, 3UN19, 3UN20, 3UN21, 3UN22, 3UN23, 3UN24, 3UN32, 3UN33, 3UN34, 3UN35, 3UN36, 3UN37, 3UN38, 3UN39, 3UN40, 3UN41, 3UN42, 3UP53, 3UP54, 3UP55, 3UP56, 3VK61, 3VK79, 3VL55, 3VL56, 3VL57, 3VL58, 3VL59, 3VL62, 3VL63, 3VL64, 3VL66, 3VL73, 3VL76, 3VL79, 3VM02, 3VM03, 3VM04, 3VM06, 3VM10, 3VM13, 3VM14, 3VM15, 3VM18, 3VM19, 3VM20, 3VM22, 3VM27, 3VM28, 3VM29, 3VM31, 3VM33, 3VM35, 3VM36, 3VM38, 3VM39, 3VM40, 3VM41, 3VM44, 3VM46, 3VM48, 3VM49, 3VM50, 3VM52, 3VM53, 3VM54, 3VM88, 3VM89, 3VM90, 3VM91,

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Manufacturer Model Number(s): ALCOAT001

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NORTON

MATERIAL SAFETY DATA SHEET

NORTON USA FORMAT MSDS: ALCOAT001

MSDS NO.: ALCOAT001 OUTBOUND

ALUMINUM OXIDE COATED ABRASIVE

DATE PRINTED: FEB 26, 2010

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION



PRODUCT NAME: ALUMINUM OXIDE COATED ABRASIVE

TRADE NAME:

ADALOX OR ABRASIVE CAP CODES:

H1XX, A1XX, A2XX, E2XX, F2XX, G2XX, H2XX, K2XX, Q1XX, Q2XX, R2XX, S2XX, T2XX, U2XX, W2

MANUFACTURER(4):

SAINT-GOBAIN ABRASIVES, INC.
ONE NEW BOND STREET
WORCESTER, MA 01615-0008
(508) 795-5000

REVISION DATE: 1/26/2010

MSDS PRINT FORMAT: NUSA

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS



SUBSTANCE DESCRIPTION	PERCENT	CAS#
ALUMINUM OXIDE, NON-FIBROUS	15.000 - 25.000	1344-28-1
CLOTH OR PAPER BACKING	45.000 - 55.000	N/A
BINDER SYSTEM **	10.000 - 30.000	N/A
CALCIUM CARBONATE	10.000 - 20.000	1317-65-3

** SUBSTANCE IS A COMPOUND AND/OR MIXTURE

OTHER: NOT APPLICABLE

SECTION 3. HAZARDS IDENTIFICATION



INHALATION ACUTE EXPOSURE EFFECTS:

DUST MAY BE SLIGHTLY IRRITATING TO EYES AND RESPIRATORY TRACT AT HIGH CONCENTRATIONS.

INHALATION CHRONIC EXPOSURE EFFECTS:

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.

FOR PRODUCTS CONTAINING INORGANIC FLUORIDES:

EXCESSIVE EXPOSURE TO INORGANIC FLUORIDES HAVE BEEN SHOWN TO INCREASE BONE DENSITY.

EYE CONTACT ACUTE EXPOSURE EFFECTS: DUST MAY IRRITATE EYES.

SKIN CONTACT ACUTE EXPOSURE EFFECTS:
SOME MAY EXPERIENCE SKIN IRRITATION FROM DUST.

INGESTION ACUTE EXPOSURE EFFECTS:
NO KNOWN ADVERSE EFFECTS, BUT INGESTION NOT RECOMMENDED.

SECTION 4. FIRST AID MEASURES



INHALATION:
REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION.
GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT:
WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE.

EYE CONTACT:
WASH WITH LARGE AMOUNTS OF WATER. OBTAIN FIRST AID AND MEDICAL ASSISTANCE, IF NEEDED.

INGESTION:
CALL POISON CONTROL CENTER, HOSPITAL EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY.

SECTION 5. FIRE FIGHTING MEASURES



FIRE FIGHTING PROCEDURES: NOT APPLICABLE

HAZARDOUS PRODUCTS/COMBUSTION: NONE.

HAZARD RATING SOURCE:

NFPA:
HEALTH 1
FLAMMABILITY 0
REACTIVITY 0
OTHER

SECTION 6. ACCIDENTAL RELEASE MEASURES



CLEAN-UP: FOLLOW NORMAL CLEAN UP PROCEDURES.

SECTION 7. HANDLING AND STORAGE



HANDLING: HANDLE WITH ADEQUATE VENTILATION FOR NUISANCE DUST.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



VENTILATION PROTECTION:
RECOMMEND USING LOCAL EXHAUST VENTILATION WHEN GENERAL VENTILATION IS NOT
KEEPING THE AIRBORNE CONCENTRATION BELOW THE TLV.

RESPIRATORY PROTECTION:

RESPIRATORS ARE REQUIRED WHEN AIRBORNE CONTAMINANT LEVELS EXCEED THE TLV(S).

EYE PROTECTION:

ALWAYS WEAR SAFETY GLASSES OR SOME TYPE OF EYE PROTECTION WHILE SANDING.

OTHER PROTECTION:

USE OF THIS PRODUCT MAY CREATE ELEVATED SOUND LEVELS. HEARING PROTECTION SHOULD BE WORN WHERE REQUIRED (SEE OSHA 29 CFR 1910.134 AND OTHER APPLICABLE REGULATIONS).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE & ODOR: SOLID ARTICLE. ODORLESS.

SECTION 10. STABILITY AND REACTIVITY



INCOMPATIBILITIES: AVOID ACIDS OF ALL TYPES WITH A pH <4.0.

DECOMPOSITION:

IN USE, DUST AND DECOMPOSING ODORS MAY BE GENERATED. IN MOST CASES, THE MATERIAL REMOVED FROM THE WORKPLACE WILL BE SIGNIFICANTLY GREATER THAN THE SANDPAPER COMPONENTS. COOLANTS MAY PRODUCE OTHER DECOMPOSITION PRODUCTS.

FOR PRODUCTS CONTAINING PHENOL AND FORMALDEHYDE RESIN, THERMAL DECOMPOSITION MAY PRODUCE TRACE AMOUNTS OF PHENOL AND FORMALDEHYDE.

FOR PRODUCTS CONTAINING INORGANIC FLUORIDES, THERMAL COMPOSITION MAY PRODUCE TRACE AMOUNTS OF FLUORIDES.

SECTION 11. TOXICOLOGICAL INFORMATION



CARCINOGENICITY: NOT APPLICABLE

LD50/LC50: VALUES ARE NOT APPROPRIATE OR AVAILABLE.

SECTION 12. ECOLOGICAL INFORMATION



CHEMICAL FATE: NOT APPLICABLE

SECTION 13. DISPOSAL CONSIDERATIONS



WASTE DISPOSAL:

USE STANDARD LANDFILL METHODS CONSISTENT WITH APPLICABLE FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS.

SECTION 14. TRANSPORT INFORMATION



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 ACT. (CAN)

SECTION 15. REGULATORY INFORMATION



EXPOSURE LIMITS/REGULATORY INFORMATION:

SUBSTANCE DESCRIPTION	UNITS	OSHA	ACGIH	MOL
ALUMINUM OXIDE, NON-FIBROUS	MG/M3	15.0000	10.0000	10.0000
CLOTH OR PAPER BACKING	PPM	0.0000	0.0000	0.0000
BINDER SYSTEM	PPM	0.0000	0.0000	0.0000
CALCIUM CARBONATE	MG/M3	15.0000	10.0000	0.0000

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS:

CA PROP 65: NOT APPLICABLE

TSCA: 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 SUITABILITY OF THE RECOMMENDATIONS, AND ASSUMES NO LIABILITY TO ANY USER THEREOF.

KEY TO ABBREVIATIONS:

EQ=EQUAL

LT=LESS THAN

GT=GREATER THAN

AP=APPROXIMATELY

TR=TRACE

ND=NO DATA AVAILABLE