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MSDS

Common Name: SIC VITRIFIED GRINDING WHEEL**Manufacturer:** SAINT-GOBAIN ABRASIVES**MSDS Revision Date:** 1/24/2007

Grainger Item Number(s): 2D241, 2D406, 2D819, 3WL44, 3WL51, 3XTX1, 3XTX2, 3XTX3, 4B130, 4B131, 4B132, 4B133, 4B134, 4B135, 4B136, 4B137, 4B139, 4DDN9, 4DDP1, 4DDT1, 5A886, 5A887, 5A890, 5A891, 5A892, 5A893, 5A894, 5A895, 6PD06, 6PD14, 6PD99, 6PG50, 6PG57, 6PG58

Manufacturer Model Number(s): 614636-10201, 614636-10205, 614636-10206, 614636-10207, 614636-10214, 61463610285, 614636-10333, 614636-10354, 614636-10369, 614636-10371, 614636-10375, 614636-10393, 614636-10398, 614636-10438, 614636-10459, 61463610462, 614636-10466, 614636-10469, 614636-10471, 614636-10482, 614636-10485, 614636-10490, 614636-24570, 61463687800, 66243521355, 66243521373, 66243521375, 662435-29041, 662435-29070, 66243529166, 662435-29170, 662435-29171, 662435-29172, 662435-29338, 662435-29339, 662435-29492, 662435-29960, 662435-30062, 662435-30064, 66252830852, 662528-35669, 662528-36706, 662528-36816, 662528-36827, 662528-36836, 662528-37580, 662528-37584, 662528-37598, 662528-37717, 662528-37724, 662528-38161, 662528-38173, 662528-38193, 66252838322, 662528-38324, 662528-38327, 662528-38328, 66252838330, 662528-38345, 662528-38472, 66252940007, 662529-40109, 662529-40111, 662529-41488, 662529-41498, 66252941609, 662529-41611, 662529-41613, 66252941617, 662529-41618, 662529-41622, 66252941624, 66252941632, 662529-42086, 662529-42096, 662529-42104, 662529-42413, 662529-42416, 662529-42666, 662529-42848, 662530-44013, 662530-44017, 662530-44312, 662530-44314, 662530-44379, 662530-44425, 662530-44770, 662531-49692, 662531-60319, 662531-60348, 662531-61068, 662531-61073, 662531-61076, 662531-61080, 662531-61362, 662531-61636, 662531-61640, 66253161675, 662531-61678, 662531-61784, 662532-62531, 662532-62884, 662532-62985, 662532-62988, 662532-63359, 662532-63360, 662532-63487, 662533-64205, 66253364206, 662533-64208, 662533-64242, 662533-64322, 662533-64328, 662533-64518, 662533-64520, 662533-64657, SICVIT001

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MATERIAL SAFETY DATA SHEET

NORTON

DATE PRINTED: JUL 31, 2007

MSDS NO.: SICVIT001 OUTBOUND

SIC VITRIFIED GRINDING WHEEL

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: SIC VITRIFIED GRINDING WHEEL

TRADE NAME: CRYSTALON

MANUFACTURER (4):
SAINT-GOBAIN ABRASIVES, INC.
ONE NEW BOND STREET
WORCESTER, MA, 01606

(508) 795-5000

REVISION DATE: 1/24/2007

MSDS PRINT FORMAT: NUSA

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS #
AMORPHOUS SILICA, FUSED	2.000 - 50.000	60676-86-0
SILICON CARBIDE	30.000 - 96.000	409-21-2
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:
MAY AFFECT BREATHING CAPACITY. FOR PRODUCTS CONTAINING AMORPHOUS SILICA, FUSED, THERE IS LIMITED EVIDENCE IN ANIMALS THAT EXCESSIVE AND PROLONGED EXPOSURE TO THIS CHEMICAL MAY CAUSE PULMONARY FIBROSIS.

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

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FIRE FIGHTING PROCEDURES: NOT APPLICABLE

HAZARDOUS PRODUCTS/COMBUSTION: NONE.

HAZARD RATING SOURCE:

NEPA:

HEALTH 1

FLAMMABILITY 0

REACTIVITY 0

OTHER

SECTION 6. ACCIDENTAL RELEASE MEASURES

 top

CLEAN-UP: FOLLOW NORMAL CLEAN UP PROCEDURES.

SECTION 7. HANDLING AND STORAGE

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HANDLING:

ALWAYS HANDLE AND STORE WHEELS IN A CAREFUL MANNER.

ALWAYS VISUALLY INSPECT ALL WHEELS BEFORE MOUNTING.

ALWAYS CHECK MACHINE SPEED AGAINST THE ESTABLISHED MAXIMUM SAFE OPERATING SPEED MARKED ON THE WHEEL.

ALWAYS CHECK MOUNTING FLANGES FOR EQUAL AND CORRECT DIAMETER.

ALWAYS USE MOUNTING BLOTTERS.

ALWAYS BE SURE WORK REST IS PROPERLY ADJUSTED.

ALWAYS USE A SAFETY GUARD COVERING AT LEAST ONE-HALF OF THE GRINDING WHEEL.

ALWAYS ALLOW NEWLY MOUNTED WHEELS TO RUN AT OPERATING SPEED, WITH GUARD IN PLACE, FOR AT LEAST ONE MINUTE BEFORE GRINDING.

ALWAYS TURN OFF COOLANT BEFORE STOPPING WHEEL TO AVOID CREATING AN OUT-OF-BALANCE WHEEL

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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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 WHEN GRINDING.

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

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APPEARANCE & ODOR: SOLID ARTICLE. ODORLESS.

SECTION 10. STABILITY AND REACTIVITY

 top

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 GRINDING WHEEL 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 DECOMPOSITION MAY PRODUCE TRACE AMOUNTS OF FLUORIDES.

SECTION 11. TOXICOLOGICAL INFORMATION

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CARCINOGENICITY: AMORPHOUS SILICA, FUSED IARC 3, NIOSH X

LD50/LC50: VALUES ARE NOT APPROPRIATE OR AVAILABLE.

SECTION 12. ECOLOGICAL INFORMATION

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CHEMICAL FATE: VITRIFIED PRODUCTS DO NOT APPRECIABLY DECAY.

SECTION 13. DISPOSAL CONSIDERATIONS

 top

WASTE DISPOSAL:

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

PRODUCTS WITH LISTED FLUORIDES MAY HAVE SLIGHTLY SOLUBLE FLUORIDE SWarf.

SECTION 14. TRANSPORT INFORMATION

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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 top

EXPOSURE LIMITS/REGULATORY INFORMATION:

SUBSTANCE DESCRIPTION	UNITS	OSHA	ACGIH	MOL
AMORPHOUS SILICA, FUSED	MG/M3	0.1000	0.1000	0.0000
SILICON CARBIDE	MG/M3	10.0000	10.0000	10.0000

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 top

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