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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

## MSDS Table of Contents

Click the desired link below to jump directly to that section in the MSDS.

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION  
SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS  
SECTION 3. HAZARDS IDENTIFICATION  
SECTION 4. FIRST AID MEASURES  
SECTION 5. FIRE FIGHTING MEASURES  
SECTION 6. ACCIDENTAL RELEASE MEASURES  
SECTION 7. HANDLING AND STORAGE  
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION  
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES  
SECTION 10. STABILITY AND REACTIVITY  
SECTION 11. TOXICOLOGICAL INFORMATION  
SECTION 12. ECOLOGICAL INFORMATION  
SECTION 13. DISPOSAL CONSIDERATIONS  
SECTION 14. TRANSPORT INFORMATION  
SECTION 15. REGULATORY INFORMATION  
SECTION 16. OTHER INFORMATION

## 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

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**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

 top

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

 top

CLEAN-UP: FOLLOW NORMAL CLEAN UP PROCEDURES.

## SECTION 7. HANDLING AND STORAGE

 top

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

 top

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



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 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



CARCINOGENICITY: AMORPHOUS SILICA, FUSED IARC 3, NIOSH X

LD50/LC50: VALUES ARE NOT APPROPRIATE OR AVAILABLE.

## SECTION 12. ECOLOGICAL INFORMATION



CHEMICAL FATE: VITRIFIED PRODUCTS DO NOT APPRECIABLY DECAY.

## SECTION 13. DISPOSAL CONSIDERATIONS



### 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



### 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
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**

## 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