

**MATERIAL SAFETY DATA SHEET (MSDS)****1. CHEMICAL PRODUCT COMPANY IDENTIFICATION**

Product Name: Vitrified grinding wheel

Spec. Code: A-61385

Range of Application: Abrasive materials used for grinding

Metals Manufacture: SUGANUMA ABRASIVES (FUZHOU) CO., LTD

MSDS Date of Preparation: 2019-06-20

Fire Emergent Contact Number: 119

**2. HAZARDS IDENTIFICATION**

This product is a white colored solid wheel with no odor.

**EMERGENCY OVERVIEW:**

Dust may cause eye and respiratory irritation. Dust particles may cause injury to the eyes.

**3. COMPOSITION/INFORMATION ON INGREDIENTS** Simple substance       Mixed substance

Hazards ingredient: NO

Material Name	CAS NO.	%
Aluminum oxide	1344-28-1	0-90

**4. FIRST AID MEASURES**

Inhalation: In the case of dust inhalation, remove the victim immediately to a place of fresh air. Get medical treatment if necessary

Skin Contact: Flush with soapsuds etc, after the eyes immediately with clean running water. Get medical treatment if necessary.

**5. FIRE FIGHTING MEASURES**

Risk Characteristic: This product is not combustible, however, consideration must be given to the potential fire/explosion hazards from the metal powder produced by metal grinding.

Hazardous Combustion Products: No data

Special Firefighting Procedures and Fire Extinguishing Media; No need

**6. ACCIDENTAL RELEASE MEASURES**

Emergent reaction: No data

**7. HANDLING AND STORAGE****Recommended Work Practices:** Use only with adequate ventilation. Avoid**SUGANUMA ABRASIVES (FUZHOU) CO., LTD**

breathing dust. Wash thoroughly after handling and using, especially before eating, drinking or smoking.

**Storage:** In the process of carrying and storing vitrified Bonded Wheel, avoid strong vibration and impact, which will cause crack, shattering and broken edge and breach phenomenon to leave the hidden usage trouble. Choose a place to store the wheels which can prevent the wheels being affected with damp, cold and heat in order to ensure its strength.

## **8.ECPOSURE CONTROLS/PERSONAL PROTECTION**

Threshold Limit Value(TLV):No data

Detection Method: No data

Engineering Control: No data

Respiration Protection: Select and use good industrial hygiene requirement respirators.

## **9.PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and Character/Odor: white solid wheel with no odor.

**PH:** Neutral

Melting Point(°C):Not Applicable

Specific Gravity(Water=1):>1

Boiling Point(°C):Not Applicable

Vapor Density:(Air=1)Nor Applicable

Vapor Pressure (KPa): Not applicable

Heat of Combustion (KJ/mol) : Not Applicable

Critical Temperature(°C):No data

Critical Pressure(MPa):No data

KOW (Octanol/Water Partition Coefficient):Not applicable

Flash Point(°C):Not applicable

Upper Explosion Limited%(v/v):Not applicable

Ignition Point(°C):Not applicable

Lower Explosion Limited%(v/v):Not applicable

Solubility in Water: Insoluble

Main Purpose: Grinding disc for metal

## **10.STABILITY AND REACTIVITY**

Stability: Stable

Incompatibilities: No data

Conditions to Avoid: High temperature of the operated wheels, no direct contact

Hazardous Polymerization: No data

Decomposition Products: Dust of grinding could contain ingredients listed in Section 3 and others

## **11.TOXICOLOGICAL INFORMATION**

Acute Toxicity: (half lethal dose LD50): None

Acute Toxicity: (half lethal concentration LC<sub>50</sub>):None  
Sub-acute and Chronic Toxicity: None  
Irritants: Breathing dust while grinding may cause respiratory irritation.  
Allergenic: Dust particles from grinding may cause eyes inflammation  
Carcinogenicity: No data  
Others: No data

## **12.ECOLOGICAL INFORMATION**

Ecological Toxicity: No data  
Biodegrade: No data  
Non-biodegrade: No data  
Bio-concentration/Bio-accumulation: No data  
Others: Consideration must be given to environment effects of the wheels being used

## **13.DISPOSAL CONSIDERATIONS**

Waste Properties: Not listed in 《State List of Hazards Waste 2016》  
Disposal Method: No data  
Attentions: No data

## **14.TRANSPORT INFORMATION**

**The product is not covered by international regulation on the transport of danger.**

## **15.Regulatory Information**

No specific labeling regulations under respective EC directives.

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## **16. Other information**

R2/22 : Harmful by inhalation and swallowed.  
R48/12/25 : Toxic: Danger if serious damage to health by prolonged exposure through inhalation and if swallowed.  
R51/52 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.