MSDS

(Material Safety Data Sheet)

Written By : 2022. 10. 11

1. Product and Company Identification

1) Product Name : ARC

2) Recommended use of the chemical and restrictions on use
◎ Recommended use : Coated Abrasives. Used for sanding materials.
◎ Restrictions on use : Use only for intended purpose, Sanding.

3) Manufacturer/Supplier/Distributor Information
◎ Distributor : Rosver SRL
◎ Department in charge : Department of R&D
◎ Address : Via Concordia 5/C6 20099 Sesto San Giovanni (MI)
◎ Telephone : +39 0224417219

2. Hazards Identification

1) Hazard Risk Classification : N/A

2) Label elements including precautionary statements
◎ Symbol : N/A
◎ Opposition : N/A
◎ Storage : N/A
◎ Abolition : Contaminated coated abrasives should be disposed according to Local Waste Control laws

3) Other Hazard Risks which are not included in the classification criteria
◎ Coated abrasives are inert products which do not create any risk when handled or stored.
◎ Eye contact : Signs / symptoms may include pain, redness, tearing and corneal abrasion.
◎ Skin contact : Signs / symptoms may include abrasion, redness, pain and itching.
◎ Inhalation : Dust from grinding, sanding or machining may cause irritation of the respiratory system.
◎ Ingestion : No health effects are expected, but not recommended to eat.

3. Composition/Information on Ingredients

Component	Material	CAS NO	Percent(%)
Backing	100% Cotton	-	20~25
Abrasives Grain	Aluminium Oxide	1344-28-1	30~45
Bonding Resin	Phenol Resin	9003-35-4	18~20
Filler	Calcium Carbonate	1317-65-3	5~6
Filler	Cryolite	15096-52-3	10~11
Others	-		1

4. First Aid Measures

1) Eye Contact :
- Don't rub your eyes.
- Immediately rinse with running water for at least 15 minutes.
- Move to a nearby medical institution for medical treatment.

2) Skin Contact :
- If necessary, first aid or medical assistance is provided.
- Wash thoroughly with water and soap.

3) Inhalation :
- Move to a place with fresh air, perform artificial respiration if necessary,

4) Ingestion :
- If necessary, seek first aid or medical help.

5) Indication of immediate medical attention and notes for physician:
- Ensure that medical personnel are aware of the substance and take protective measures.

5. Fire-Fighting Measures

1) Suitable(and unsuitable) extinguishing media :
- Use normal fire extinguishing agent, carbon dioxide, water or powder extinguishing agents.

2) Specific hazards arising from the chemical :
- N/A

3) Special protective equipment and precautions for fire-fighters :
- How to extinguish : Cut off the supply of combustion sources in the area where the fire broke out
  Spray water and try to cool buildings so that combustion does not spread.
  Move any moveable containers to a safe place quickly.
- Fire extinguishing equipment suitable for fire type shall be used
- Do not inhale the substance or the product of combustion.

6. Accidental Release Measures

1) Personal precautions, protective equipment and emergency procedures : N/A.
2) Environmental precautions and protective procedures : N/A.
3) Methods and materials for containment and cleaning up : N/A.

7. Handling and Storage

1) Precautions for safe handling : N/A

2) Conditions for safe storage(including any incompatibilities):
- Store at 0° C to 40° C.
- Store at 30-60% humidity.
- Avoid eating or inhaling when using.
- Do not handle or drop severely.
- It protects against physical shocks.
- Avoid humid place and heating element such as heater and radiator.
- Keep the materials out of direct sunlight.
- Do not place the materials on ground and concrete floor

8. Exposure Controls & Personal Protection

1) Control parameters : N/A

2) Appropriate Engineering Controls : Ventilator
- Local Ventilation System : Use general dilution ventilation and / or local exhaust ventilation to control
- Electric Precipitator : Use when there are more atmospheric pollutants than the allowable limit

3) Personal protective equipment
- Respiratory protection : Use respiratory protective equipment.
- Eye protection : Wear protective goggles or face shield.
- Hand protection : Wear protective gloves.
- Hearing protection : Use hearing protection.
- Note : Hazardous dust of the work piece material may be generated during grinding and/or sanding

9. Physical and Chemical Properties

1) Appearance (Physical Status, Colors etc.)	: N/A.
2) Odor	: N/A.
3) Odor threshold	: N/A.
4) pH	: N/A.
5) Melting point/Freezing point	: N/A.
6) Initial boiling point and boiling range	: N/A.
7) Flashing point	: N/A.
8) Evaporation	: N/A.
9) Flammability(solid, gas)	: N/A.
10) Upper/lower flammability or explosive limits	: N/A.
11) Vapor pressure	: N/A.
12) Solubility	: N/A.
13) Vapor density	: N/A.
14) Relative density	: N/A.
15) Partition coefficient(n-octanol/water)	: N/A.
16) Auto-ignition temperature	: N/A.
17) Decomposition temperature	: N/A.
18) Viscosity	: N/A.
19) Formula mass	: N/A.

10. Stability and Reactivity

1) Chemical stability and possibility of hazardous reactions : Stable.

2) Conditions to avoid : None

3) Incompatible material : Strong acids, Strong bases & Strong oxidizing agents may modify the
4) Hazardous decomposition products : In use, dust and decomposing odors may be generated.

11. Toxicological Information

1) Information on the likely routes of exposure
- Inhalation : N/A.
- Ingestion : N/A.
- Skin contact : N/A.
- Eye contact : N/A.

2) Health hazards information
- Acute toxic : Not determined.
- Skin corrosive/irritant : Not determined.
- Serious eye damage/eye irritation : Not determined.
- Respiratory sensitization : Not determined.
- Skin sensitization : Not determined.
- Carcinogenicity : Not determined.
- Germ Cell Mutagenicity : Not determined.
- Reproductive toxicity : Not determined.
- Specific target organ toxicity(single exposure) : Not determined.
- Specific target organ toxicity(repeated exposure) : Not determined.
- Aspiration hazard : Not determined.

12. Ecological Information

1) Aquatic and terrestrial ecotoxicity : Not determined.
2) Persistence and degradability : Not determined.
3) Bioaccumulative potential : Not determined.
4) Mobility in soil : Not determined.
5) Other adverse effects : Not determined.

13. Disposal Considerations

1) Disposal method : Follow relevant local regulations.

2) Disposal precaution : Refer to No.8. Exposure Controls & Personal Protection.
- If specified in the Waste Management Act, consider the precautions specified in the regulations.

14. Transport Information

1) UN number : N/A
2) UN proper shipping name : N/A.
3) Transport hazard class : N/A.
4) Packing group : N/A.
5) Marin pollution : N/A.
6) Special precaution which a user to be aware of or needs to comply with in connection with transport or

15. Regulatory information

1) Industrial safety and Health Act : N/A.
2) Toxic Chemical Control Act : N/A.
3) Dangerous Material Safety Control Act : N/A.
4) Wastes Management Act : N/A.
5) Other requirements in domestic and other countries : N/A.

16. Other Information

1) Information source and references:
- ○ Occupational Safety & Health Administration(http://www.osha.gov)
- Korea Occupational Safety & Health Agency (http://www.kosha.or.kr)
- Ministry of Employment and Labor Notice No. 2013-37 (2013.8.14)
  Criteria for classification and labeling of chemical substances and material safety and health data
- National Institute of Environmental Research(http://ncis.nier.go.kr)

2) Issuing date : 2010. 07. 16

3) Revision number and date : 2014. 07. 17 (3rd)

4) Others

17. DISCLAIMER

1) The information and recommendations set forth herein are taken from sources believed to be accurate

2) The user shall not use this product for any purpose other than its intended use, and if so, use it after

3) This MSDS material may be amended without notice and is not available for propaganda, litigation and