

Product Name UFSeries Date of creation and revision 2025/03/31 Company name Trusco Nakayama Corporation

Safety Data Sheets (SDS)

1. Chemicals and company information

Product Name : Flap wheel
Product Number :UF2525/UF3010/UF3025(#40~#400)

Reference Number :
Recommended applications and features :Suitable for metal surface polishing.
Company Name :Trusco Nakayama Corporation
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2. Summary of hazards

Riskiness :The danger is extremely low.
Harmfulness :Dust generated during polishing may irritate the eyes and skin.
:Inhalation of dust generated during polishing work may cause health problems.
Environmental impact :Dust is generated during polishing work,
which may contaminate the work environment.

GHS classification) constituent pure substances

Appendix

(GHS label element) constituent pure substances

Appendix

3. Composition and ingredient information

Classification of single products and mixtures :mixture
Chemical name :Ingredient Information Reference
Ingredients and content :Ingredient Information Reference
Chemical or structural formula :Ingredient Information Reference
CAS Number :Ingredient Information Reference

Ingredient information and content (%)

Substance name	Ingredient name	CAS No.	Content(%)
Alumina	Al ₂ O ₃	1344-28-1	35~45
Calcium carbonate	CaCO ₃	471-34-1	5~10
Trisodium hexafluoride aluminete	Na ₃ AlF ₆	13775-53-6	5~15
Cured resin	-	-	15~30
Base material(cotton and polyester blend)	-	-	10~20
Iron	-	-	-
Paper	-	-	-

4 .First aid measures

If inhaled	:Immediately remove to fresh air and, if necessary, seek medical help.
In case of contact with skin	:Finishing the work, rinse with soapy water.
In case of contact with eyes	:If dust gets into your eyes, wash them immediately with clean running water. :At this time, do not hold down or touch it strongly. If necessary, seek medical attention.
Swallowed	:Drink plenty of water and make them vomit. If necessary, seek medical attention.

5.Measures in case of fire

Extinguishing agent	:water, powder fire extinguishing agent, foam fire extinguishing agent, carbon dioxide extinguishing agent etc.
Unique fire extinguishing methods	:off the source of combustion and digest using a fire extinguishing agent.
Protection of firefighters	:fireproof clothing suitable for extinguishing fires, and extinguish fires from a sufficient distance.

6. Measures in case of leakage

Precautions for the human body	:If dust gets into your eyes, wash them carefully with water for a few minutes. :Collecting dust, wear protective equipment (protective glasses, dust mask).
Environmental Considerations	:Nothing in particular.
Removal methods	:Use a dust canister.

7 .Precautions for handling and storage

Handling	
Technical measures	:Since dust is generated during work, perform local exhaust or total exhaust.
Precautions	:Since dust is generated during work, local exhaust or full exhaust.
Safety Handling Precautions	:Not shock.
Safekeeping	
Proper storage conditions	:Store in a place with room temperature and humidity.
Safe container and packaging materials	:Store in a container or place suitable for storage at room temperature and high quality.

8 .Exposure prevention and protection measures

Equipment measures	:As a dust countermeasure, a dust collector is provided or, if necessary, exhaust the entire area. :Since the dust collector may absorb the generated sparks and cause a fire, take measures not to directly absorb the sparks. To take.
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Control concentration and permissible concentration

Substance name	Control concentration	Permissible concentration (TLV-TWA)
alumina	Not set	1mg/m ³
calcium carbonate	Not set	Not set
Trisodium hexafluoride aluminete	Not set	2.5mg/m ³ (as F)
Cured resin	Not set	Not set
Base material(cotton and polyester blend)	Not set	Not set
iron	-	-

Protective equipment	:Workers must wear the following protective equipment.
Respiratory protection	:Dust masks with half- or full-surface filters that have been tested according to dust concentration and legal regulations.
Hand Protector	:Spark-resistant gloves.
Eye protection	:Safety glasses with side seals or fully protective dust glasses.
Skin and body protection	:Avoiding contact of the skin with dust generated during polishing work.
Equipment measures	:A dust collector should be installed as a dust countermeasure, or the entire air should be exhausted as necessary. :The dust collector absorbs the generated sparks and may cause a fire, so take measures not to absorb sparks directly.

9 .Physical and chemical properties

Shape	: Solid
Color	: Colored
Stinking	: Slightly polymer odor
Odor threshold	:—
ph	:—
Melting point(°C)	:—
Freezing point(°C)	:—
Boiling point, initial boiling point	:—
Aand boiling range (° C)	:—
Flash point (°C)	:—
Evaporation rate	:—
Flammability (gas, solid)	:—
Combustion or explosion range	:—
lower limit	:—
upper limit	:—
Vapor pressure (KPa)	:—
Vapor density	:—
Specific gravity (relative density)	:—
Solubility	:—
N-Octanol/water partition coefficient	:—
Autoignition temperature	:—
Decomposition temperature	:—
Viscosity (viscosity)	:—

10 .Stability and Reactivity

Reactivity	:Stable in the atmosphere
Chemical stability	:Stable in the atmosphere
Potential Adverse Reactions	:No insight
Conditions to avoid	:No insight
Hazardous decomposition products	:Carbon monoxide. Carbon dioxide.

11. Hazard information (including human symptoms and epidemiological information)

If the dust generated during polishing work is inhaled for a long period of time, pneumoconiosis may occur.
For information on the hazards of constituent pure substances, refer to the attachment

12. Environmental Impact Information

Persistence and degradability :No insight

Bioaccumulation :No insight

Accumulation in the soil :No insight

13 .Precautions for disposal

How to dispose of residual waste :Disposal shall comply with relevant laws and regulations and local government standards.
:Clarify the contents and outsource the treatment to an industrial waste disposal company that has received permission from the government.

Disposal method of contaminated :Disposal shall comply with relevant laws and regulations and local government standards.

Containers and packaging :Clarify the contents and outsource the treatment to an industrial waste disposal company that has received permission from the government.

14 .Transportation Precautions

National Regulations

Land Transportation :Unregulated

Sea Freight :Non-hazardous materials

Air Transportation :Non-hazardous materials

International Regulations

Maritime Regulatory Information :Non-hazardous materials

Aviation Regulatory Information :Non-hazardous materials

Safety measures Be careful not to get wet or damage to the packing case.

15.Applicable Law

【 Industrial Safety and Health Act 】

Article 57 of the Act (Hazardous Substances for which the Name, etc. should be indicated)

Article 57-2 of the Act, Article 18-2 of the Enforcement Order, Attached Table No. 9

:Decree No. 189 "Aluminum oxide"

:Decree No. 516-2 "Trisodium hexafluoroaluminate"

Dust Hazard Prevention Regulations

:Powered by abrasive materials (except by handheld or portable power tools) When polishing or deburring rocks, minerals or metals, or cutting metals.

Act on Identification and Promotion of Chemical Substance Release Releases

PRTR Law) :Not applicable

Poisonous and Deleterious Substances Control Law :Not applicable

Pollution Control Act :Aluminum oxide, trisodium hexafluoroaluminate

Contamination Countermeasures Act :hexafluoride aluminate

16 .For More Information

bibliography

JIS Z 7253:2019 compliant






Other Literature: Raw Material/Product Manufacturer SDS

The contents of the description are prepared based on the materials, information, and data available at the time, but we do not guarantee the content, physicochemical properties, hazards, etc. of any kind.

This information may be added or revised as new information becomes available.

In addition, the precautions are for normal handling, so when handling specially, please take safety measures appropriate for the purpose and usage before use.

GHS classification of constituent pure substances and GHS label elements

	CAS NO, 1344-28-1 Alumina	CAS NO, 13775-53-6 Trisodium hexafluoride aluminate
Physicochemical hazards		
Explosives	Not classified	Not classified
Combustible gases	Not classified	Not classified
Flammable aerosol	Not classified	Not classified
Oxidizing gases	Not classified	Not classified
High-pressure gas	Not classified	Not classified
Flammable liquids	Not classified	Not classified
Flammable solids	Not classified	Not classified
Self-reactive liquid	Not classified	Not classified
Pyrophoric liquids	Not classified	Not classified
Pyrophoric solids	Not classified	Not classified
Self-heating chemicals	Not classified	Not classified
Water-reactive flammable chemicals	Not classified	Not classified
Oxidizing liquids	Not classified	Not classified
Oxidizing solids	Not classified	Unclassifiable
organic peroxides	Not classified	Not classified
Metal corrosive	Unclassifiable	Unclassifiable
Blunt explosives	—	—
Harm to health		
Acute toxicity(oral)	Not classified	Not classified
Acute oxicity(transdermal)	Unclassifiable	Unclassifiable
Acute toxicity(inhalation:gas)	Not classified	Not classified
Acute toxicity(inhalation:vapour)	Unclassifiable	Not classified
Acute toxicity(inhalation:dast,mist)	Unclassifiable	Category 4
Skin corrosive/irritating	Unclassifiable	Not classified
Severe eye damage/eye irritation	Unclassifiable	Division 2B
Respiratory sensitization	Unclassifiable	Unclassifiable
Skin sensitization	Unclassifiable	Unclassifiable
Germline mutagenicity	Unclassifiable	Unclassifiable
Carcinogenicity	Not classified	Unclassifiable
Reproductive toxicity	Unclassifiable	Unclassifiable
Specific target organ/systemic toxicity(single exposure)	Category 3(Airway Irritation)	Category 2 (Respiratory,Hepatic)
Specific target organ/systemic toxicity(repeated exposure)	category 1 (Inhalation:Lung)	Category 1 (nervous system, bones, teeth, lungs, liver, kidney, stomach)
False Hazards	Unclassifiable	Unclassifiable
hazard to the environment	Unclassifiable	Unclassifiable
Aquatic envirnmental hazards(acute)	Unclassifiable	Category 2
Long-term hazard to the aquatic environment	Unclassifiable	Category 2
Hazaeds to the ozone layer	—	Unclassifiable
Label Element		
Picture display	 	  
Signal words	Danger	Danger
Hazard Advisory Information	May cause respiratory irritation Lung damage due to prolonged or repeated exposure inhalation	Harmful if inhaled Eye irritation May cause organ damage(respiratory and hapatic) Damage to organs due to prolonged or repeated (nervous system,bone,tooth,lung,liver,kidney,stomach) Toxic to aquatic life Toxic to aquatic life due to long-term continuous effects
Cautionary note		
Safety measures	When using the product Avoid inhalation of abrasive cloth dust and mist. Use only outdoors or in a well-ventilated area Do not ert,drink or smoke. Wash your hands thoroughly after using the product.	When using the product Avoid inhalation of abrasive cloth dust and mist. Use only outdoors or in a well-ventilated area Avoid release into the environment. Do not ert,drink or smoke. Wash your hands thoroughly after using the product.
First aid	If you inhale abrasive cloth peper components and have difficulty breathing transition whrer it is easy to breathe Give them a break. If you feel unwell, seek medical attention.	When using the product, In case of contact with eyes Let it sit in water for a few minutes. Next, I was wearing contact lenses it can be easily removed, remove it and continue cleaning after that. eye irritation persists, seek medical attention. inhaled Transfer to fresh air and in a position where it is easy to breathe Give them a break. If you feel unwell, seek medical attention. there is exposure or concern about exposure medical attention/attention.
Disposal	Product/Packaging to International/National/State/Municipal Regulations Therefore, discard.	Product/Packaging to International/National/State/Municipal Regulations Therefore, discard.