



SAFETY DATA SHEET - Floc 22

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1. Identification

Product Name: Floc 22

Manufacturer/Supplier: RockRidge Abrasives
9000 Byron Commerce Dr. SW
Byron Center, MI 49315

Telephone/Fax Number: Phone: 716-759-6600
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Date of Revision: 12/10/2024

2. Hazard(s) Identification

Classification of the substance or mixture

GHS07
Eye Irrit. 2A H319 Causes serious eye irritation.

Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

Signal word: Warning

Hazard statements: Causes serious eye irritation.

Precautionary statements: Wash thoroughly after handling. Wear eye protection / face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

NFPA ratings (scale 0 - 4)

Health= 2 Fire= 0 Reactivity = 0

HMIS ratings (scale 0 - 4)

Health = 2 Fire= 0 Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. Composition / Information on Ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Component	Cas	%Wt.
Aluminum sulphate	10043-01-3	1-2

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-Aid Measures

Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: not known

Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Sulphur dioxide (SO₂)

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

Environmental precautions:

Dilute with plenty of water.

Keep contaminated washing water and dispose of appropriately.

Do not allow to enter sewers/ surface or ground water.

Do not allow to penetrate the ground/soil.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.



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Protective Action Criteria for Chemicals

PAC-1:

10043-01-3	Aluminium sulphate	38 mg/m ³
112-34-5	2-(2-butoxyethoxy)ethanol	30 ppm

PAC-2:

10043-01-3	Aluminium sulphate	64 mg/m ³
112-34-5	2-(2-butoxyethoxy)ethanol	33 ppm

PAC-3:

10043-01-3	Aluminium sulphate	380 mg/m ³
112-34-5	2-(2-butoxyethoxy)ethanol	200 ppm

7. Handling and Storage

Handling

Precautions for safe handling: No special precautions are necessary if used correctly.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: not required

Further information about storage conditions: Keep receptacle tightly sealed. Protect from heat and direct sunlight.

Recommended storage temperature: 5-35 °C

Minimum durability [years]: 0.5

Specific end use(s): No further relevant information available.

8. Exposure Controls / Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace: 10043-01-3 Aluminium sulphate

REL Long-term value: 2 mg/m³ as Al

TLV Long-term value: 1 * mg/m³ as Al; *as respirable fraction

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Do not eat or drink while working.

Breathing equipment: not required

Protection of hands: Protective gloves

Check protective gloves prior to each use for their proper condition.

Material of gloves: Neoprene gloves Butyl rubber, BR Nitrile rubber, NBR

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing

9. Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Appearance

Form: Fluid

Color: Colorless

Odor: Characteristic

Odor threshold: Not determined.

pH-value: Not determined.

pH-value (10 g/l, 20 °C): 3.9-4.7

Change in condition

Melting point/Melting range: undetermined

Boiling point/Boiling range: >100 °C (>212 °F)

Flash point: not applicable

Flammability (solid, gaseous): Not applicable.

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting. Not determined.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)

Density: not determined

Relative density: Not determined.

Vapor density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with Water: fully mixable

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

voe content: 0.78 %

Other information: No further relevant information available.

10. Stability and Reactivity

Reactivity: No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.



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11. Toxicological Information

Information on toxicological effects

Acute toxicity

Primary irritant effect:

on the skin: no irritant effect

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

12. Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13. Disposal Considerations

Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water



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14. Transport Information

UN-Number

DOT, ADR, IMDG, IATA void

UN proper shipping name

DOT, ADR, IMDG, IATA void

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA
Class void

Packing group

DOT, ADR, IMDG, IATA void

Environmental hazards: Not applicable.

Special precautions for user: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation": void

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances): None of the ingredient is listed.

Section 313 (Specific toxic chemical listings): 112-34-5 2-(2-butoxyethoxy)ethanol

TSCA (Toxic Substances Control Act): All components have the value ACTIVE.

Hazardous Air Pollutants: None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenicity categories

EPA (Environmental Protection Agency): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

Signal word: Warning

Hazard statements: Causes serious eye irritation.

Precautionary statements: Wash thoroughly after handling. Wear eye protection / face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.



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16. Other Information

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Eye Dam. 1: Serious eye damage/eye irritation- Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation- Category 2A

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