



**GUDVANGEN
STEIN AS**
NORDIC MINING GROUP



SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

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Last changed: 10/10/2008

Internal No:

Replaces date:

Gudvangen Anorthosite

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME Gudvangen Anorthosite
TYPE OF USE Paint additive
raw material
Decorative stone

National manufacturer/importer

Enterprise Nordic Mining
Address Munkedalsveien 45
Postal code N-0250 Oslo
Country Norge
Internet www.nordicmining.com
Telephone +47 22947790
Fax +47 22947791

Name	E-mail	Tel. (work)	Country
Paul Norkyn	paul.norkyn@nordicmining.com	+47 22947779	Norge

Manufacturer in EU/EEC, importer to EU/EEC

Enterprise Gudvangen Stein AS
Address Holmen
Postal code 5747 Gudvangen
Country Norge
Telephone +47 99203479

Emergency Phone	Type of assistance	Opening Hours
(+44) 08 45 46 47	NHS Direct	Available 24 hours

2. HAZARDS IDENTIFICATION

HEALTH

Dust may irritate respiratory system.

FIRE AND EXPLOSION

Not combustible.

ENVIRONMENT

Normal handling or minor release is not expected to be hazardous.

3. COMPOSITION / INFORMATION ON INGREDIENTS

No	Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
1	anorthosite				60 - 100 %	No classification required

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

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4. FIRST AID MEASURES

INHALATION

Provide rest, warmth and fresh air. Seek medical advice if symptoms develop.

SKIN CONTACT

Wash skin with soap and water. Remove contaminated clothing. Seek medical advice if symptoms develop.

EYE CONTACT

Rinse with water. Remove contact lenses. Contact physician if irritation persists.

INGESTION

Do not induce vomiting. Rinse nose and mouth with water. Never give anything by mouth to an unconscious person. Consult a doctor if symptoms should occur.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use extinguishing media appropriate for surrounding fire.

EXTINGUISHING METHODS

Use water to cool exposed containers. Remove containers from fire area if this can be done without risk. If possible, fight the fire from a protected location.

FIRE AND EXPLOSION HAZARDS

Not combustible.

Dust may form explosive mixture with air.

Fire or high temperatures may cause formation of: Aluminium oxides. Oxides of natrium. Calcium oxides. Silicon oxides.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

General: Evacuate all personnel, use protective equipment for fire fighting. Use a portable breathing apparatus when the product is involved in a fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Provide good ventilation. Avoid generation and spreading of dust. Avoid contact with skin and eyes. Use personal protective equipment.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Prevent discharge into the sewage system or the immediate environment.

METHODS FOR CLEANING UP

Collect mechanically. Collect and dispose of materials in closed and labelled containers at an approved disposal or waste collection facility. Clean with soap and water or detergent.

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7. HANDLING AND STORAGE

HANDLING ADVICE

Provide good ventilation. Use mechanical ventilation in case of handling which causes formation of dust. Avoid generation and spreading of dust. Avoid inhalation and contact with skin and eyes. Use personal protective equipment.

STORAGE

Keep container tightly closed, in a cool, well ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL

Provide good ventilation. Remove contaminated clothing. Wash the skin at the end of each work shift and before eating, smoking and using restroom facilities. Eye wash facilities and safety shower must be available when handling this product.

RESPIRATORY PROTECTION

If necessary, respirator with P2 particle filter.

EYE PROTECTION

Use tight fitting goggles if dust is generated.

HAND PROTECTION

Protective gloves (natural rubber, PVC). Breakthrough time not determined as preparation. Change gloves often!

RECOMMENDED MONITORING PROCEDURES

When evaluating exposure, consider suitable method for sampling, and evaluate if stationary or mobile sampling is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid form.
Colour	Blue. /White.
Odour	Odour-free.
Solubility	Not water-soluble.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
Melting point	1300 °C	Estimert	
Density	2,7 g/cm ³		

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID

Protect against moisture.

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11. TOXICOLOGICAL INFORMATION

INHALATION

Dust may irritate respiratory system.

SKIN CONTACT

Long-term or repeated skin contact may have a desiccating effect.

EYE CONTACT

May cause mechanical irritation. Particles in the eyes may cause irritation and smarting.

INGESTION

May cause slight irritation in the nose and throat. May cause nausea and stomach ache.

12. ECOLOGICAL INFORMATION

MOBILITY

Not water-soluble.

DEGRADABILITY

Not degradable.

ACCUMULATION

Bioaccumulation improbable.

CONCLUSION

Not degradable.

Bioaccumulation improbable.

Prevent discharge to the sewage system, waterways or lakes.

13. DISPOSAL CONSIDERATIONS

GENERAL REGULATIONS

Collect and dispose of materials in closed and labelled containers at an approved disposal or waste collection facility. Containers should be emptied and removed according to local regulations, or reused without removing the label.

CATEGORY OF WASTE

EWC must be evaluated at the end of usage, possibly EWC: 01 01 01 wastes from mineral metalliferous excavation

14. TRANSPORT INFORMATION

Classified as Dangerous Goods:

Yes

No

Not assessed

OTHER INFORMATION

Not considered as dangerous goods under ADR, RID, IMDG and IATA.

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15. REGULATORY INFORMATION

EC-Label No Yes Not assessed

COMPOSITION

anorthosite (60 - 100 %)

S-PHRASES

S22 Do not breathe dust.

REFERENCES

Directive 1999/45/EC.

Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances.

Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (2008).European Waste Catalogue (EWC 2002).

Transport of dangerous goods: ADR, RID, IMDG and IATA.

Administrative Normer, publication No. 361, Directorate of Labour Inspections, 2007.

LEGISLATION

16. OTHER INFORMATION

INFORMATION SOURCES

Safety data sheet from supplier (09.10.2008)

VENDOR NOTES

This safety data sheet has been quality assured by Bureau Veritas Norway AS according to English rules. Bureau Veritas Norway AS has established a quality assurance system in accordance with ISO 9001:2000.

Prepared by: Regina Isberg

Quality controlled by: Kristine Drange

Bureau Veritas Norway AS is not responsible for any errors or omissions in information provided by the importer/supplier.

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REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.0	10/10/2008	Regina Isberg	Preparation

SDS is prepared by

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