

# MATERIAL SAFETY DATA SHEET

## MSDS

Last changed: 23/06/2000

### EXA HDO

#### 1. PRODUCT AND COMPANY

TRADE NAME : EXA HDO

APPLICATION : Blasting agent for surface cleaning and removal of paint and oxidization.

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#### PRODUCER OR IMPORTER

Company : EXA SCANDINAVIA A/S

Address : Stroemdalkaasa 22

Zip, City, Country : N- 3727 SKIEN - NORWAX

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## 2. COMPOSITION OF PRODUCT

No	Ingredients name	CAS-NO	Weigh t%	Danger clas./Cmnt.
1	calcium carbonate	471-34-1	ca. 98%	
2	calcium fluoride	7789-75-5	<0.5%	
3	calcium nitrate	10124-37-5	<0.5%	O,8
4	ammonium nitrate	6484-52-2	<0.5%	
5	tricalcium orthophosphate	7758-87-4	<0.5%	

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, IK=No classification required, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Very flammable, Fo=Flammable, N=Dang. to the environment, Mut=Genetoxic, Sens=Sensitizing, Carc=Cancerogen, Repr=Causes birth defects

## 3. HAZARD IDENTIFICATION

The product does not require labeling.

## 4. FIRST AID

### GENERAL

Move to fresh air, keep the patient warm and at rest.

### INHALATION

See "General".

### SKIN CONTACT

Wash skin thoroughly with soap and water.

### EYE CONTACT

Flush with large amounts of water (open eyelids) for at least 15 minutes. Get medical advice if irritation persists.

### INGESTION

Give plenty of water or milk to drink.

## 5. FIRE FIGHTING MEASURES

### PROPER FIREFIGHTING EQUIPMENT

Use extinguishing media appropriate for surrounding fire.

### FIRE AND EXPLOSION HAZARDS

The product is not combustible.

## 6. ACCIDENTAL RELEASE MEASURES

### SAFETY MEASUREMENTS TO PROTECT PERSONS

Use the specified protective equipment for air pressure blasting.

### SAFETY MEASUREMENTS TO PROTECT ENVIRONMENT

None

### PROPER METHODS FOR DAMAGE LIMITATION AND CLEANUP

Use mechanical handling equipment. Collect in dry containers. Finally, flush the area with water.

## 7. HANDLING AND STORAGE

### STORAGE

Keep container dry.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

TLV's:

Ingredients name	CAS-no	TLV value	TLV year
calcium carbonate	471-34-1	0,0	
calcium fluoride	7789-75-5	0,6 mg/m <sup>3</sup> (F)	

## EXPOSURE CONTROL

Wash with water

## RESP. PROTECTION

For larger blasting operations : Wear respiratory protection with particulate filter P2.  
For smaller blasting operations: Wear paper type mask protection

## EYE PROTECTION

Wear dustproof goggles.

## HAND PROTECTION

For larger blasting operations : Use gloves.

## SKIN PROTECTION

Wear suitable clothing (long-sleeved, long-legged etc.) if there is a possibility of direct contact or splashes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Powder.
Color	:	Grayish white.
Odor	:	Odorless.
Solubility	:	Slightly soluble in water. Soluble in acids.
Density	:	ca. 2.5 g/cm <sup>3</sup>
pH solution	:	ca. 8.5 (10%)

## 10. STABILITY AND REACTIVITY

### MATERIALS TO AVOID

May ignite upon contact with fluorine gas.

### HAZARDOUS DECOMPOSITION PRODUCTS

Calcium oxide and carbon dioxide are formed upon heating/reaction with acids.

## 11. TOXICOLOGICAL INFORMATION

### GENERAL

May cause irritation effects similar to other nuisance dusts.

### INHALATION

May cause irritation, similar to other nuisance dusts, to the respiratory tract.

### SKIN CONTACT

Powder may irritate skin.

### EYE CONTACT

May cause irritation effects similar to other nuisance dusts .

### INGESTION

May cause irritation .

## 12. ECOLOGICAL INFORMATION

### MOBILITY

Slowly soluble in water.

### BREAKDOWN

Mineralizes.

## ACCUMULATION

Does not bioaccumulate.

## OTHER DAMAGES

There are no specific environmental data for the product. Release to water systems will cause a slight increase in alkalinity.

## 13. DISPOSAL

Not classified as hazardous waste.

## 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME :

ADR (Road)  
RID (Railway)  
IMDG (Sea)  
IATA (Airplane)

**The product is not considered as dangerous goods.**

## 15. REGULATORY INFORMATION

### COMPOSITION

calcium carbonate (ca. 98%), calcium fluoride (<0.5%), calcium nitrate (<0.5%), ammonium nitrate (<0.5%), tricalcium orthophosphate (<0.5%)