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MATERIAL SAFETY DATA SHEET

MSDS # PMC/RC/020/06

Updated on **02 - Jan - 2006**
Product Name **ACCINOX ODPS**
Revision Number **+REV 06**
UN Number **3077**
CAS No. **68411 - 46 -1**

Health Hazard :	1
Fire Hazard :	1
Reactivity :	0
Personal Protection :	X

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

PRODUCT NAME : **ACCINOX ODPS**

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Works & Registered Office:
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2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS No.	% (w/w)	Symbol	R Phrases
Octylated diphenylamine	68411 - 46 – 1	> 99	None	R53

3. HAZARDS IDENTIFICATION

Low toxicity under normal conditions of handling and use.
In common with many organic compounds in powder form it can produce flammable dust clouds in air.
Mild eye irritant.

4. FIRST-AID MEASURES

Inhalation Remove patient from exposure.
Obtain medical attention if ill effects occur.
Skin Contact Remove contaminated clothing.
Wash skin liberally with soap and water.
If symptoms (irritation or blistering) occur obtain medical attention.
Eye Contact Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.

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Ingestion Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical attention.

Further Medical Treatment

Unlikely to be required but if necessary treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point: 257°C (Open cup)

Auto Ignition Temperature: NA

Combustion products : carbon monoxide, carbon dioxide, nitrogen oxides.

Protect from sparks (dust explosion risk)

In common with many organic compounds in powder form it can produce flammable dust clouds in air.

Extinguishing Media : Small fire : Use water spray, foam, dry powder or CO₂.

Large fire : Use water spray, foam. Do not use water jet.
(Avoid dust generation.)

Fire Fighting & Protective Equipment: A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions :

Do not allow to enter drains, sewers or watercourses.

Methods for clean up :

Control dust formation. (See 'Fire fighting measures'.)

Collect spillages by mechanical means.

Transfer to a container for disposal or recovery.

Personal protection :

Do not breath dust. Avoid contact with skin & eyes. Use PPE.

7. HANDLING AND STORAGE

7.1 HANDLING

Control dust formation. (See 'Fire fighting measures'.)

Avoid contact with eyes.

Avoid prolonged skin contact.

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Avoid inhalation of high concentrations of dusts. Atmospheric concentrations should be minimised and kept as low as reasonably practicable.

7.2 STORAGE

Store in a cool dry place away from sunlight.

Keep away from oxidising agents , acids , alkalis , moisture & heat .

In common with many organic compounds in powder form it can produce flammable dust clouds in air. Take precautionary measures against static discharges. Keep away from source of ignition .

Insist "No Smoking" in the storage place.

Suitable containers : High density polyethylene (HDPE) laminated paper bags with polythene liner inside.

Storage Temperature : Ambient.

Storage Life : 1 year(s)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Good working practice suggests gloves and goggles should be worn.

Wear suitable respiratory protective equipment if exposure to high levels of dust are likely. Wear protective clothing to minimise skin contact.

Engineering controls: Good mechanical ventilation is satisfactory for normal Handling.

Occupational Exposure Limits

No occupational exposure limit listed but 6 mg/m³ for total dust is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder, slight staining
Colour	Off-white/light brown
Odour	Characteristic (Amine like)
pH (Value)	9.5 (100 gms/l)
Boiling Point (Deg C)	No data.
Melting Point (Deg C)	89 - 103
Flash Point (Deg C)	257 (open cup)
Flammable Limits	No data.
Auto Ignition	
Temperature (Deg C)	No data.

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Explosive Properties	In common with many organic compounds in powder form it can produce flammable dust clouds in air.
Oxidising Properties	No data.
Vapour Pressure (Ps)	No data.
Density (g/ml)	0.95 - 1.05
Solubility (Water)	Insoluble
Solubility (Other)	Soluble in Toluene
Partition Coefficient	No data.
Molecular Weight	393.6
Molecular Formula	C28-H43-N

10. STABILITY AND REACTIVITY

Stability ; The product is stable under normal storage & handling conditions
Conditions to avoid : Strong oxidising agents, acids and alkalis
Hazardous Decomposition Product(s): Oxides of carbon & nitrogen

11. TOXICOLOGICAL INFORMATION

Inhalation	High concentrations of dust may be slightly irritant to the respiratory tract.
Skin Contact	Non-irritant to rabbit skin. Unlikely to cause skin irritation in man. It is not a skin sensitiser in animal tests.(guinea-pig).
Eye Contact	Slight/mild irritant to rabbit eyes. Dust may cause irritation.
Ingestion	Low oral toxicity. Acute Oral Toxicity : >5000 mg/kg (Rat)
Long Term Exposure	The substance is not considered to be genotoxic.

12. ECOLOGICAL INFORMATION

No data.

13. DISPOSAL CONSIDERATIONS

Avoid discharge to sewers and water courses.
Disposal should be in accordance with local, state or national legislation.

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Containers that cannot be cleaned should be treated as waste.

14. TRANSPORT INFORMATION

Not Classified as Dangerous for Transport.

DOT Classification : Not regulated by DOT
IMDG Classification : Not regulated by IMDG
ICAO Classification : Not regulated by ICAO

15. REGULATORY INFORMATION

Not Classified as Dangerous for Supply/Use.

Symbol: None

Europe: This product is on the EINECS inventory
United States: This product is on the TSCA 8(b) inventory
FDA: No data available

Risk Phrases R53 May cause long-term adverse effects in the aquatic environment.

Safety Phrases: S24 Avoid contact with skin.
S36 Wear suitable protective clothing.
S60 This material and/its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

16. OTHER INFORMATION

HMIS rating: Health: 1
Flammability: 1
Reactivity: 0
PPI: X

Legend : 0(HMIS) Minimal hazard
1(HMIS) Slight hazard
2(HMIS) Moderate hazard
3(HMIS) Serious hazard
4(HMIS) Severe hazard
X(HMIS) Personal protective rating to be supplied by user depending on the use conditions

Use : Antioxidant for polymers and stabiliser for oils and lubricants.

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