



# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/22/2010

Reviewed on 01/19/2010

## 1 Identification of substance

- **Product details**
- **Trade name:** ALT Catalyst Powder
- **Article number:** 130-000-xxx-u
- **Application of the substance / the preparation** Hardening agent/ Curing agent
- **Manufacturer/Supplier:**  
ALT Global, LLC  
3 Edison Place,  
Fairfield, NJ 07004 USA  
Tel: 973-287-6158  
Fax: 973-287-6159
- **Information department:** Tel.: 973-287-6158
- **Emergency information:**  
For Chemical Emergency  
Spill Leak Fire Exposure or Accident  
Call CHEMTREC Day or Night

DOMESTIC NORTH AMERIKA 800-424-9300  
INTERNATIONAL, CALL 703-527-3887 ( collect calls accepted )

## 2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

94-36-0	dibenzoyl peroxide	40-55%
84-61-7	dicyclohexyl phthalate	40-55%
7631-86-9	silicon dioxide, chemically prepared	1.5%

## 3 Hazards identification

- **Hazard description:**



Irritant  
Oxidizing

- **Information pertaining to particular dangers for man and environment:**  
The product has to be labelled due to the calculation procedure of international guidelines.  
May cause fire.  
Irritating to eyes.  
May cause sensitisation by skin contact.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 2  
Reactivity = 2

The substance possesses oxidizing properties.

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	2	Fire = 2
REACTIVITY	2	Reactivity = 2

## 4 First aid measures

· **General information:**

Personal protection for the First Aider.

Immediately remove any clothing soiled by the product.

· **After inhalation:**

Take affected persons into fresh air and keep quiet.

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact:**

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

· **After swallowing:**

If symptoms persist consult doctor.

Seek immediate medical advice.

## 5 Fire fighting measures

· **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards caused by the material, its products of combustion or resulting gases:**

In certain fire conditions, traces of other toxic gases cannot be excluded.

Carbon monoxide (CO)

CO<sub>2</sub>

Ver crackte Kohlenwasserstoffe

· **Protective equipment:** Do not inhale explosion gases or combustion gases.

· **Additional information** Cool endangered receptacles with water spray.

## 6 Accidental release measures

· **Person-related safety precautions:**

Use respiratory protective device against the effects of fumes/dust/aerosol.

Keep away from ignition sources

Vermeidung von elektrostatischer Aufladung.

Bei weiteren Temperaturanstieg mit einem Wasserstrahl aus sicherer Entfernung kühlen.

Wear protective equipment. Keep unprotected persons away.

· **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:**

Send for recovery or disposal in suitable receptacles.

Ensure adequate ventilation.

Pick up mechanically.

Dispose of the collected material according to regulations.

· **Additional information:** See Section 13 for disposal information.

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## 7 Handling and storage

- **Handling:**
- **Information for safe handling:**
  - Keep receptacles tightly sealed.
  - Store in cool, dry place in tightly closed receptacles.
  - Keep away from heat and direct sunlight.
  - Open and handle receptacle with care.
  - Prevent formation of dust.
  - Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
  - Do not refill residue into storage receptacles.
  - Restrict the quantity stored at the work place.
  - Handle with care. Avoid jolting, friction and impact.
- **Information about protection against explosions and fires:**
  - Protect from heat.
  - Protect against electrostatic charges.
  - Prevent impact and friction.
  - Use explosion-proof apparatus / fittings and spark-proof tools.
  - Dust can combine with air to form an explosive mixture.
  - Substance/product is oxidizing when dry.
  - Keep ignition sources away - Do not smoke.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
  - Store in a cool location.
  - Store only in the original receptacle.
  - Prevent any seepage into the ground.
  - Use only receptacles specifically permitted for this substance/product.
- **Information about storage in one common storage facility:**
  - Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
- **Further information about storage conditions:**
  - Keep receptacle tightly sealed.
  - Store in cool, dry conditions in well sealed receptacles.
  - Store receptacle in a well ventilated area.
  - Protect from heat and direct sunlight.
  - Protect from contamination.
  - Store in a cool place.
  - Store in accordance with local/national regulations.
- **Specific applications** For maximum quality store below : +25°C

## 8 Exposure controls and personal protection

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

- **Components with limit values that require monitoring at the workplace:**

### 94-36-0 dibenzoyl peroxide

PEL	5 mg/m <sup>3</sup>
REL	5 mg/m <sup>3</sup>
TLV	5 mg/m <sup>3</sup>

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

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.

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Store protective clothing separately.  
 Avoid close or long term contact with the skin.  
 Do not eat, drink, smoke or sniff while working.  
 Avoid contact with the eyes and skin.  
 Use skin protection cream for skin protection.  
 Be sure to clean skin thoroughly after work and before breaks.

• **Breathing equipment:**

Not necessary if room is well-ventilated.  
 Use suitable respiratory protective device in case of insufficient ventilation.  
 Filter P2

• **Protection of hands:**



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Butyl rubber, BR  
 Fluorocarbon rubber (Viton)  
 Neoprene gloves

• **Eye protection:**



Tightly sealed goggles

• **Body protection:** Protective work clothing

## 9 Physical and chemical properties

• **General Information**

<b>Form:</b>	Solid Powder
<b>Color:</b>	White
<b>Odor:</b>	Specific type

• **Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

• **Flash point:** Not applicable.

• **Flammability (solid, gaseous):** May cause fire.

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· <b>Ignition temperature:</b>	
· <b>Decomposition temperature:</b>	55°C (131°F) (SADT)
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· <b>Density at 20°C (68°F):</b>	1.23 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with Water:</b>	Insoluble.

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.
- **Dangerous reactions**  
Reacts with alkali, amines and strong acids.  
Reacts with certain metals.
- **Dangerous products of decomposition:**  
Benzoic acid  
Benzene
- **Additional information:**  
Die Notfallmaßnahmen hängen von den jeweiligen Umständen ab. Beim Anwender sollte ein Notfallplan an der Arbeitsstätte vorhanden sein.

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

## 12 Ecological information

- **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.

## 13 Disposal considerations

- **Product:**
- **Recommendation:**  
Must be specially treated adhering to official regulations.  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **DOT regulations:**
- **Hazard class:** 5.2
- **Identification number:** UN3106
- **Proper shipping name (technical name):** ORGANIC PEROXIDE TYPE D, SOLID (dibenzoyl peroxide)
- **Label:** 5.2

- **Land transport ADR/RID (cross-border):**



- **ADR/RID class:** 5.2 Organic peroxides
- **UN-Number:** 3106
- **Packaging group:** -
- **Label:** 5.2
- **Description of goods:** 3106 ORGANIC PEROXIDE TYPE D, SOLID (dibenzoyl peroxide)

- **Maritime transport IMDG:**



- **IMDG Class:** 5.2
- **UN Number:** 3106
- **Label:** 5.2
- **Marine pollutant:** No
- **Propper shipping name:** ORGANIC PEROXIDE TYPE D, SOLID

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 5.2
- **UN/ID Number:** 3106
- **Label:** 5.2
- **Propper shipping name:** ORGANIC PEROXIDE TYPE D, SOLID

## 15 Regulations

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

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· **TSCA (Toxic Substances Control Act):**

All ingredients are 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.

· **IARC (International Agency for Research on Cancer)**

94-36-0	dibenzoyl peroxide	3
7631-86-9	silicon dioxide, chemically prepared	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

94-36-0	dibenzoyl peroxide	A4
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**

Irritant

Oxidizing

· **Hazard-determining components of labelling:**

dibenzoyl peroxide

· **Risk phrases:**

May cause fire.

Irritating to eyes.

May cause sensitisation by skin contact.

· **Safety phrases:**

Keep container tightly closed in a cool place.

Keep away from reducing agents (e.g. amines), acids, alkalies and heavy metal compounds (e.g. accelerators, driers, metal soaps).

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection.

Do not mix with peroxide-accelerators or reducing agents.

This material and its container must be disposed of as hazardous waste.

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

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*Employment restrictions concerning pregnant and lactating women must be observed.*

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**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing MSDS:** Division product safety
- **Contact:** Division product safety
- **\* Data compared to the previous version altered.**

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