

# SAFETY DATA SHEET

according to the Global Harmonized System

## KETJENBLACK EC-600JD

Version 1

Revision Date 04/29/2015

Print Date 06/25/2015

REG\_NA / Z8

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Information

Trade name : KETJENBLACK EC-600JD

Use of the Substance/Mixture : Specific use(s): Conductive additive

Company : Akzo Nobel Functional Chemicals LLC  
525 West Van Buren  
US 60607-3823 Chicago  
USA

Telephone : +18008287929

Telefax : +13125447188

E-mail address : RegulatoryAffairs@akzonobel.com

Emergency telephone : AkzoNobel: +31 57 06 79211 CHEMTREC - USA: 1-800-424-9300 CANUTEC - CANADA: 1-613-996-6666

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Not a hazardous substance or mixture.

**GHS-Labeling**

Not a hazardous substance or mixture.

**Other hazards which do not result in classification**

Risk of dust explosion.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

No hazardous ingredients

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### 4. FIRST AID MEASURES

General advice	: No hazards which require special first aid measures.
Inhalation	: Remove to fresh air. Keep patient warm and at rest. Rinse nose and mouth with water.
Skin contact	: Remove contaminated clothing and shoes. Rinse with water.
Eye contact	: Rinse with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
Ingestion	: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.
<b>Notes to physician</b>	
Symptoms	: The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.
Treatment	: Treat symptomatically.

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### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during fire fighting / Specific hazards arising from the chemical	: Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.
Combustion products	: Fire will produce smoke containing hazardous combustion products (see section 10).
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus.
Further information	: Standard procedure for chemical fires.

See also Section 9. Physical and chemical properties: Safety data

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## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Avoid dust formation.
- Environmental precautions : No special environmental precautions required.
- Methods for cleaning up /  
Methods for containment : Sweep up and shovel.  
Keep in suitable, closed containers for disposal.
- Additional advice : For personal protection see section 8.

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## 7. HANDLING AND STORAGE

### Handling

- Advice on safe handling : For personal protection see section 8.  
Avoid creating dust.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
No special handling advice required.
- Advice on protection against  
fire and explosion : Provide appropriate exhaust ventilation at places where dust  
is formed.  
No sparking tools should be used.

### Storage

- Requirements for storage  
areas and containers : Keep in a dry place.  
Store at room temperature in the original container.  
Keep container tightly closed.
- Advice on common storage : No special restrictions on storage with other products.
- Other data : No decomposition if stored and applied as directed.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls

Provide appropriate exhaust ventilation at places where dust is formed.

### Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally  
required.  
In the case of dust, vapor or aerosol formation use respirator  
with an approved filter.  
Half mask with a particle filter P2 (EN 143)
- Hand protection : For prolonged or repeated contact use protective gloves.  
  
Protective gloves complying with EN 374.

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Eye protection : Safety glasses

Hygiene measures : General industrial hygiene practice.

## Environmental exposure controls

General advice : No special environmental precautions required.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : pellets

Color : black

Odor : odorless

Odor Threshold : No data available

### Safety data

pH : alkaline

Melting point : No data available

Boiling point/boiling range : No data available

Flash point : No data available

Evaporation rate : Not applicable

Flammability (solid, gas) : Combustible Solids

Lower explosion limit : No data available

Upper explosion limit : No data available

Vapor pressure : Not applicable

Relative vapor density : Not applicable

Relative density : No data available

Bulk density : 100 - 120 kg/m<sup>3</sup> at 20 °C

Water solubility : at 20 °C  
insoluble

Solubility in other solvents : No data available

Partition coefficient: n- : No data available

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octanol/water

Autoignition temperature : Not applicable

Decomposition temperature : No data available

Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Explosive properties : Not explosive

Oxidizing properties : Not classified as oxidizing.

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

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## 10. STABILITY AND REACTIVITY

Conditions to avoid : None known.

Materials to avoid : None known.

Hazardous decomposition products : Carbon oxides

Thermal decomposition : No data available

Reactivity : Stable under normal conditions.

Chemical stability : Stable under recommended storage conditions.

Hazardous reactions : Dust may form explosive mixture in air.

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## 11. TOXICOLOGICAL INFORMATION

### Product information:

#### Hazard Summary

Inhalation : Product dust may be irritating to respiratory system.

Skin : Product dust may be irritating to skin.

Eyes : Product dust may be irritating to eyes.

Ingestion : Not expected to be irritating.

#### Toxicology Assessment

CMR effects : Carcinogenicity:  
Not classifiable as a human carcinogen.

Further information : No further data available.

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## Test result

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### 12. ECOLOGICAL INFORMATION

#### Product information:

#### Ecotoxicology Assessment

Additional ecological information : None known.

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### 13. DISPOSAL CONSIDERATIONS

Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### 14. TRANSPORT INFORMATION

#### International Regulation

##### ADR

Not regulated as a dangerous good

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Further information for transport

Not classified as dangerous in the meaning of transport regulations.

##### NCh 2190/382

Not regulated as a dangerous good

##### Land transport

Not regulated as a dangerous good

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### 15. REGULATORY INFORMATION

#### Notification status

CH INV : YES. On the inventory, or in compliance with the inventory  
TSCA : YES. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.  
DSL : YES. All components of this product are on the Canadian DSL.  
AICS : YES. On the inventory, or in compliance with the inventory  
NZIoC : YES. On the inventory, or in compliance with the inventory

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ENCS : YES. On the inventory, or in compliance with the inventory  
ISHL : YES. On the inventory, or in compliance with the inventory  
KECI : YES. On the inventory, or in compliance with the inventory  
PICCS : YES. On the inventory, or in compliance with the inventory  
IECSC : YES. On the inventory, or in compliance with the inventory

For explanation of abbreviations, see section 16.

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## 16. OTHER INFORMATION

### Notification status explanation

CH INV	Switzerland. New notified substances and declared preparations
TSCA	United States TSCA Inventory
DSL	Canadian Domestic Substances List (DSL)
AICS	Australia Inventory of Chemical Substances (AICS)
NZIoC	New Zealand. Inventory of Chemical Substances
ENCS	Japan. ENCS - Existing and New Chemical Substances Inventory
ISHL	Japan. ISHL - Inventory of Chemical Substances
KECI	Korea. Korean Existing Chemicals Inventory (KECI)
PICCS	Philippines Inventory of Chemicals and Chemical Substances (PICCS)
IECSC	China. Inventory of Existing Chemical Substances in China (IECSC)

### Further information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.