

SAFETY DATA SHEET

Issuing Date 6/1/2015 Revision Date 6/1/2015 Revision Number 1

1. IDENTIFICATION

Product Identifier
 Product Name KY2, KY6, KY12, KY60
Other means of identification
 Synonyms NONE
Recommended use of the chemical and restrictions on use
 Recommended use Artistic Medium
 Uses advised against
Details of the supplier of the safety data sheet
 Supplier Name Yasutomo Inc.
 Supplier Address 1805 Rollins
 Road
 Burlingame, CA
 94010
 Supplier Phone Number 650 737 8888
 Supplier Email yasutomo490@gmail.com
Emergency telephone number 650 737 8888

2. HAZARDS IDENTIFICATION


Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity	Category 1A
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GHS Label elements, including precautionary statements

Emergency Overview

Signal word	Danger		
Hazard Statements	May cause cancer		
			
Appearance	Black Powder or Pellets	Physical State	Solid
		Odor	None

Precautionary Statements - Prevention
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required

Precautionary Statements - Response
 IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage
 Store locked up

Precautionary Statements - Disposal

Dispose of contents/ container to an approved waste disposal plant

Hazard not otherwise classified (HNOO)

NA

Unknown Toxicity

None

Other information

No information available

Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CASNo	Weight-%	Trade Secret
Carbon Black	1333-86-4	>99%	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Eye Contact Rinse thoroughly with plenty of water. If symptoms persist, call a physician.

Skin Contact Wash with soap and water.

Inhalation Remove to fresh air.

Ingestion Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Most Important symptoms and effects, both acute and delayed

Most Important symptoms and effects No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

It may not be obvious that carbon black is burning unless the material is stirred and sparks are apparent.

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes. Wet carbon black produces slippery walking surfaces.

Other information Refer to protective measures listed in Sections 7 and 8

Environmental Precautions

Environmental Precautions Refer to protective measures listed in Sections 7 and 8.
Methods and material for containment and cleaning up
 Methods for Containment Prevent further leakage or spillage if safe to do so.
 Methods for cleaning up Clean up promptly by vacuum. HEPA filtration is recommended.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not breathe dust. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a cool, dry, well-ventilated area.
 Incompatible products Strong oxidizing agents.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	AOIH TLV	OSHA PEL	NIOSH IDLH
Carbon Black 1333-86-4	TWA: 3 mg/ m3 inhalable fraction	TWA: 3.5 mg/ m3 (vacated) TWA: 3.5 mg/ m3	IDLH: 1750 mg/ m3 TWA: 3.5 mg/ m3 TWA: 0.1 mg/ m3 Carbon black in presence of Polycyclic aromatic hydrocarbons PAH

AOIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls

Engineering Measures Ventilation systems
Individual protection measures, such as personal protective equipment
 Eye/ Face Protection Wear safety glasses with shields. Goggles.
 Skin and Body Protection Wear protective gloves and protective clothing.
 Respiratory Protection Wear Air-Purifying Respirator if exposure exceeds occupational exposure limits. Respirators should be NIOSH/ OSHA approved.
 Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid
 Appearance Black Powder or Pellets Odor None
 Color No information available Odor Threshold NA

Property	Values	Remarks Method
pH	No data available	None known
Melting/ Freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known

Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Insoluble	None known
Solubility in other solvents	No data available	None known
Partition coefficient:	No data available	None known
Autoignition temperature	>140 C	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	None known
Oxidizing Properties	No data available	None known

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particulate Size	No data available
Particulate Size Distribution	

10. STABILITY AND REACTIVITY

Reactivity

May react exothermically upon contact with strong oxidizers.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Do not expose to temperatures above 300 C. Keep away from oxidizing agents.

Incompatible materials

Strong Oxidizers such as chlorates, bromates, and nitrates.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposureProduct Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye Contact	Specific test data for the substance or mixture is not available.
Skin Contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Carbon Black 1333-86-4	> 8000 mg/kg (Rat)	—	—

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Carbon Black 1333-86-4	A3	Group 2B		X

ACGIH (American Conference of Governmental Industrial Hygienists)
 A2 - Suspected Human Carcinogen
 A3 - Animal Carcinogen
 IARC (International Agency for Research on Cancer)
 Group 1 - Carcinogenic to Humans
 Group 2B - Possibly Carcinogenic to Humans
 Group 3 - Not Classifiable as to Carcinogenicity in Humans
 NTP (National Toxicology Program)
 Known - Known Carcinogen
 OSHA (Occupational Safety and Health Administration of the US Dept of Labor)
 X - Present

Reproductive Toxicity No information available
 STOT - single exposure No information available
 STOT - repeated exposure No information available
 Chronic Toxicity Contains a known or suspected carcinogen. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

Target Organ Effects Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Bladder. Blood. Central Nervous System (CNS). Kidney. Liver. Lungs. Lymphatic System.

Aspiration Hazard No information available

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)

NA

ATEmix (inhalation-dust/ mist)

A

ATEmix (inhalation-vapor)

NA

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Carbon Black 1333-86-4	EC50: >10000 mg/L 72h (Senedesmus subspicatus)	LC50: >1000 mg/L 96 hr (Brachydanio Rerio)		24h EC50: >5600 mg/L

Persistence and Degradability

Not expected to degrade

Bioaccumulation

Not expected due to physicochemical properties of the substance

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods Dispose of contents/containers in accordance with local regulations.

Contaminated Packaging

Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT Not Regulated
 IDG Not Regulated
 MEX Not Regulated
 ICAO Not Regulated
 IATA Not Regulated
 IMDG/IMO Not Regulated
 RID Not Regulated
 ADR Not Regulated
 AND Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL All components are listed either on the DSL or NDSL

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List / Non-Domestic Substances List

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to release of this material.

US State Regulations

S State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Carbon Black 1333-86-4	X	X	X		X

International Regulations

Mexico

National Occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Carbon Black 1333-86-4 (1-5)		Mexico: TWA = 3.5 mg/m3 Mexico: STEL = 7 mg/m3

Mexico - Occupational Exposure Limits - Carcinogens

16. OTHER INFORMATION

NFPA	Health Hazards	1	Flammability	0	Instability	0	Physical and Chemical Hazards -
HMIS	Health Hazards	1*	Flammability	0	Physical Hazard	0	Personal Protection
							X

Chronic Hazard Star Legend * = Chronic Health Hazard

Disclaimer

The information provided in this 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.

End of Safety Data Sheet