21135-1002

SAFETY DATA SHEET

Issuing Date	8/1/2019	**Revision Date**	8/1/2019	**Revision Number**

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

Supplier Address

3740 Skypark Dr
Torrance CA
90505

Supplier Phone Number 310-791-1995

Supplier Email csr@yasutomo.com

Emergency telephone number 911

2. HAZARDS IDENTIFICATION

Classification

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

Carcinogenicity	Category 1A

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**

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 (HNOC)
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	CAS No	Weight-%	Trad
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 unconsci 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 appartus pressure-demand, MSHA/NIOSH (approved or equivalent) 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, ey
Do not breathe dust. Do not eat, drink or smoke when using this product. Take off contaminated c
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	ACGIH TLV	OSHA PEL	NIO
Carbon Black 1333-86-4	TWA: 3 mg/m3 inhalable fraction	TWA: 3.5 mg/m3 (vacated) TWA: 3.5 mg/m3	IDLH: 1 TWA: TWA: 0.1 mg/ presence of P hydroc

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

Other Exposure Guidelines

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

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 expo
Respirators should by NIOSH/OSHA approved.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practic
drink or smoke when using this product. Wash hands before breaks a
after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid

Appearance Black Powder or Pellets

Color No information available

Odor None

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
Fammability (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	
Oxidizing Properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle 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 oxidixing agents.

Incompatible materials

Strong Oxidizers such as chlorates, bromates, and nitrates.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product 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	Inhala
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	C
Carbon Black 1333-86-4	A3	Group 2B		

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 effect marrow and blood-forming system. May cause adverse liver effects.

Target Organ Effects Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Bladder. Bl 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)

NA

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 M F
Carbon Black 1333-86-4	EC50:>10000 mg/L 72h (Scenedesmus subspicatus)	LC50: >1000 mg/L 96 hr (Brachydanio Rerio)		24h EC5(

Persistance and Degradability

Not expected to degrade

Bioaccumulation

Not expected due to physicochelical 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
TDG	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 Compe Act (CERCLA) (40 CFR 302) or the Superfund Ammendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements a or state level pertaining to release of this material.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Il
Carbon Black 1333-86-4	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/ Mexico: STEL - 7 mg/m

Mexico - Occupational Exposure Limits - Carcinogens

16. OTHER INFORMATION

NFPA	**Health Hazards**	**1**	**Flammability**	**0**	**Instability**	**0**	**Physical and Chemical Ha**
HMIS	**Health Hazards**	**1***	**Flammability**	**0**	**Physical Hazard**	**0**	**Personal Pro 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 informa only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specific 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 p specified in the text.

End of Safety Data Sheet

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