

Date of issue: 30/01/2019

## Safety Data Sheet

### 1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: IR-91B

Product code(SDS NO): AX9L001\_E-1

Details of the supplier of the safety data sheet

Manufacturer/Supplier: Union Chemicar Co.,LTD.

Address: 3-10 Shodai Tajika, Hirakata, OSAKA 573-1132, JAPAN

Division: Development and Technical Department

Telephone number: 81-72-856-5785

FAX: 81-72-866-2647

Emergency telephone number (24h): 81-72-856-3321

### 2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

PHYSICAL HAZARDS

Flammable liquids: Not applicable

### 3. Composition/information on ingredients

Substance/Mixture:

Mixture

Ingredient name	CAS No.	Content(%)
Carbon black	1333-86-4	1 - 10
C.I. Pigment Blue 1	1325-87-7	1 - 10
Dye	Trade Secret	1 - 10
Oil	Trade Secret	70 - 80

### 4. First-aid measures

Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN (or hair)

Wash with plenty of soap and water.

If you observe unusual symptom, have irritation/pain and/or feel unwell, seek medical advice.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth. Do NOT induce vomiting.

Immediately call a POISON CENTER or doctor/physician.

## 5. Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media

In case of fire, use foam, dry powder, CO2.

#### Unsuitable extinguishing media

Never use water.

Do not use direct water jet.

### Advice for firefighters

#### Specific fire-fighting measures

Shut off fuel to fire if possible to do so without hazard.

## 6. Accidental release measures

### Personnel precautions, protective equipment and emergency procedures

Evacuate area.

Ventilate area after material pick up is complete.

Wear an air-supplied respirator for a poor/non ventilated spill.

Wear proper protective equipment.

Be careful not to slip on spilled area.

Eliminate all sources of ignition and ventilate the area.

Stand at upwind. Evacuate personnel at downwind.

Stop leak if safe to do so.

### Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

Do not wash away into shower or waterway.

### Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

For large spill, dike for later disposal.

Sweep up, place in a bag and hold for waste disposal.

Fill the disposal into labelled, closable containers.

In case of small spill, absorb the residues into sand or sawdust.

### Preventive measures for secondary accident

Prepare extinguishers before catching fire.

Consult an expert on the disposal of recovered material.

### Reference to other sections

Refer to section 8

Refer to section 13

## 7. Handling and storage

### Precautions for safe handling

#### Safety Measures/Incompatibility

Wash hands et al thoroughly after handling.

When using do not eat, drink or smoke.

Do not pierce or burn, even after use.

### Conditions for safe storage, including any incompatibilities

#### Recommendation for storage

Protect from sunlight. Store in a well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

#### Adopted value

(C.I. Pigment Blue 1)

ACGIH(1999) TWA: (soluble compounds)0.5mg-Mo/m<sup>3</sup>(R) (LRT irr)

TWA: (metal and insoluble compounds)10mg-Mo/m<sup>3</sup>(I); 3mg-Mo/m<sup>3</sup>(R)

(Carbon black)

ACGIH(2010) TWA: 3mg/m<sup>3</sup>(I) (Bronchitis)

### OSHA-PEL

(Carbon black)

TWA 3.5mg/m<sup>3</sup>

### NIOSH-REL

(Carbon black)

TWA 3.5mg/m<sup>3</sup>

### Safety and Health measures

Wash hands thoroughly after handling.

## 9. Physical and Chemical Properties

Information on basic physical and chemical properties

### Physical properties

Appearance: Liquid

Odor: Characteristic odor

pH: Not applicable

### Phase change temperature

Initial Boiling Point/Boiling point data N.A.

Flash point: > 170°C

Explosive properties data N.A.

Vapor pressure data N.A.

Vapor density data N.A.

Specific gravity/Density data N.A.

### Solubility

Solubility in water: Insoluble

## 10. Stability and Reactivity

### Reactivity

Runaway polymerization will not occur.

### Chemical stability

Stable under normal storage/handling conditions.

### Incompatible materials

Strong acids, Strong bases, Oxidizing agents, Reducing agents

### Hazardous decomposition products

Carbon oxides

## 11. Toxicological Information

Information on toxicological effects

No Acute toxicity data available

No Irritant properties data available

No Allergenic and sensitizing effects data available

No Mutagenic effects data available

Carcinogenicity

(Carbon black)

IARC-Gr.2B : Possibly carcinogenic to humans

(Carbon black)

ACGIH-A3(2010) : Confirmed Animal Carcinogen with Unknown Relevance to Humans

No Teratogenic effects data available

No reproductive toxicity data available

Delayed and immediate effects and also chronic effects from short- and long-term exposure

STOT

STOT-repeated exposure

[Not classified(drow./dizz.)]

No Aspiration hazard data available

## 12. Ecological Information

Toxicity

No Aquatic toxicity data available

Water solubility

(Carbon black)

none (ICSC, 2010)

No Persistence and degradability data available

No Bioaccumulative potential data available

No Mobility in soil data available

Ozone depleting chemical data not available

## 13. Disposal considerations

Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Contaminated packing

This container must be disposed of as hazardous waste.

## 14. Transport Information

UN No, UN CLASS

Not applicable to UN NO.

## 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US major regulations

TSCA

C.I. Pigment Blue 1; Carbon black; Dye

California proposition 65

cancer

Carbon black

## 16. Other information

The product is not applicable to GHS classifications.

Reference Book

Globally Harmonized System of classification and labelling of chemicals, (5th ed., 2013), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 18th edit., 2013 UN

Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012)

2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2016 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/ENG/Classification/index.php>

Supplier's data/information

#### General Disclaimer

Please do not print to the place where a printing surface touches food directly by industry self-imposed control.

The information relates to this specific material. It may not be valid for this material, if used in combination with any other materials or in any process. It is the user's responsibility to satisfy him-selves as to the suitability and completeness of this information for his own particular use.

The information herein is given in good faith, but no warranty, express or implied, is made. Please consult us for further information.

To the best of our knowledge, the information contained here in is accurate. However, we assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of user. All material may present unknown hazards and should be used in caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist.

This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. It are advised to make their own tests to determinate the safety and suitability of each such product or combination for their own purposes.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

The GHS classification data given here is based on current Japan official data (NITE published in 2015).