

Date of issue 20/08/2020

Safety Data Sheet

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

Product identifier:

Product name: IR-91B

Product code (SDS NO): AX0P006_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

Telephone number: 81-72-856-5785/81-72-856-3322

FAX: 81-72-866-2647

Emergency telephone number: 81-72-856-3321

2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

PHYSICAL AND CHEMICAL HAZARDS

Flammable liquids: Not applicable

3. Composition/information on ingredients

Mixture/Substance selection:

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 to extinguish.

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 until material pick up is complete.

Wear an air-supplied respirator for handling a spill at a poor ventilated workplace.

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 sewers 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

Wash hands et al thoroughly after handling.

When using do not eat, drink or smoke.

Do not pierce or burn, even after use.

Advice on general occupational hygiene

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

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

8. Exposure controls/personal protection

Control parameters

Adopted value

(Carbon black)

ACGIH(2010) TWA: 3mg/m³(I) (Bronchitis)

(C.I. Pigment blue 1)

ACGIH(1999) TWA: 0.5mg-Mo/m³(R) (LRT irr) (soluble compounds)

TWA: 10mg-Mo/m³(I); 3mg-Mo/m³(R) (LRT irr) (insoluble compounds)

OSHA-PEL

(Carbon black)

TWA: 3.5mg/m³

(C.I. Pigment blue 1)

TWA: 5mg-Mo/m³ (Soluble compounds)

TWA: 15mg-Mo/m³ (Insoluble compounds-Total dust)

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Odor: Characteristic odor

Boiling point or initial boiling point data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point: >170°C

pH: Not applicable

Solubility:

Solubility in water: Insoluble

Vapor pressure data is not available.

Vapor density data is not available.

Density and/or relative density data is not available.

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

Acute toxicity data is not available.

Irritant properties

Skin corrosion/irritation data is not available.

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenicity

(Carbon black)

IARC-Gr.2B : Possibly carcinogenic to humans

(Carbon black)

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

(C.I. Pigment blue 1)

ACGIH-A3(1999) : Confirmed Animal Carcinogen with Unknown Relevance to Humans

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

STOT

STOT-single exposure data is not available.

STOT-repeated exposure

[Not classified]

Aspiration hazard data is not available.

12. Ecological Information

Ecotoxicity

Ecotoxicity data is not available.

Water solubility

(Carbon black)

none (ICSC, 2010)

Persistence and degradability

Persistence and degradability data is not available.

Bioaccumulative potential

Bioaccumulative potential data is not available.

Mobility in soil

Mobility in soil data is not available.

Other adverse effects

Ozone depleting chemical data is not available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

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

Not applicable to UN No., UN CLASS

Environmental hazards

MARPOL Annex III – Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

15. Regulatory Information

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

Air Pollution Control Law, Japan

Hazardous air pollutants

C.I. Pigment blue 1

Water Pollution Control Law, Japan

Listed substance(s)

C.I. Pigment blue 1

US Federal Regulations

Chemicals listed in TSCA Inventory
Oil; C.I. Pigment blue 1; Carbon black; Dye; oil; Dispersing Agent
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, (6th ed., 2015), UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 20th edit., 2017 UN
IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
IATA Dangerous Goods Regulations (61th Edition) 2020
Classification, labelling and packaging of substances and mixtures (Table 3 ECNO6182012)
2016 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
2020 TLVs and BEIs. (ACGIH)
<http://monographs.iarc.fr/ENG/Classification/index.php>
JIS Z 7253 : 2019
JIS Z 7252 : 2019
2019 Recommendation on TLVs (JSOH)
Supplier's data/information

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This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

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 2018).