

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)

Revision Date 16-Apr-2019

Version 3

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Product Name** Anthrone  
**Product Code** 010-04342,012-04341  
**CAS No.** 90-44-8  
**Pure substance/mixture** Substance

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** For research purposes.  
**Uses advised against** No information available

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

FUJIFILM Wako Pure Chemical Corporation  
1-2 Doshomachi 3-Chome  
Chuo-ku, Osaka 540-8605, Japan  
Phone: +81 (0)6-6203-3741  
Fax: +81 (0)6-6203-4640

**Supplier**

FUJIFILM Wako Chemicals GmbH  
Fuggerstrasse 12, D-41468 Neuss, Germany  
Phone: +49 (0)2131-311 158 Fax: +49 (0)2131-311 100  
FUJIFILM Wako Chemicals USA, Inc.  
1600 Bellwood Road, Richmond, VA 23237-1326, U.S.A.  
Phone: +1 (0)804-271-7677 Fax: +1 (0)804-271-7791

For further information, please contact us.

**1.4. Emergency telephone number**

As above or toxicological information center

**Emergency telephone** +81-6-6203-3741

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

**Skin corrosion/irritation**

Category 2

**Serious eye damage/eye irritation**

Category 2

**Specific target organ toxicity (single exposure)**

Category 3

**2.2. Label elements**

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

**Pictograms**



**Signal word** Warning

**Hazard Statements**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

**Precautionary Statements**

P271 - Use only outdoors or in a well-ventilated area  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection

**2.3. Other hazards**

**General Hazards** No information available

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Chemical Name	EC No	CAS No.	Index No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Anthrone	201-994-0	90-44-8	N/A	=<100	Skin Irrit. 2: H315 Eye Irrit. 2: H319 STOT SE 3: H335

**3.3 Additional information**

Impurities and/or Additives : Not applicable

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.
<b>Ingestion</b>	Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.
<b>Symptoms</b>	No information available.
<b>Note to physicians</b>	Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

**Suitable Extinguishing media** Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol resistant foam.

**Unsuitable Extinguishing media** No information available

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**5.3. Advice for firefighters****Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

**5.4. Additional information**

No information available

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

**For emergency responders**

Use personal protection recommended in Section 8.

<b>6.2. Environmental precautions</b>	To be careful not discharged to the environment without being properly handled waste water contaminated.
<b>Environmental precautions</b>	See Section 12 for additional ecological information.
<b>6.3. Methods and material for containment and cleaning up</b>	Sweep up and gather scattered particles, and collect it in an empty airtight container.
<b>Methods for cleaning up</b>	Take up mechanically, placing in appropriate containers for disposal.
<b>6.4. Reference to other sections</b>	See Section 12: Ecological Information, Section 13 : Disposal considerations

## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	
<b>Protective measures</b>	Use with local exhaust ventilation. Avoid contact with strong oxidizing agents. Handle in accordance with good industrial hygiene and safety practice.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	
<b>Storage conditions</b>	Keep container protect from light, store in well-ventilated place at room temperature (preferably cool). Keep container tightly closed.
<b>Packaging materials</b>	Glass.
<b>7.3. Specific end use(s)</b>	
<b>Risk Management Methods (RMM)</b>	No information available.

## SECTION 8: Exposure controls/personal protection

<b>8.1. Control parameters</b>	
<b>Exposure limits</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
<b>8.2. Exposure controls</b>	
<b>Engineering controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	protective eyeglasses or chemical safety goggles.
<b>Hand protection</b>	Protection gloves.
<b>Skin and body protection</b>	protective boots. Long-sleeved work clothes.
<b>Respiratory protection</b>	Dust mask.
<b>Environmental exposure controls</b>	No information available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	
<b>Color</b>	White - yellow
<b>Appearance</b>	crystals - powder
<b>Odor</b>	No data available
<b>pH</b>	
<b>Melting point / melting range</b>	154 - 160 °C (dec.)
<b>Boiling point/boiling range</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Flammability Limits in Air</b>	
<b>Upper</b>	No data available
<b>Lower</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Specific Gravity / Density</b>	No data available
<b>Solubility(ies)</b>	Diethyl ether : sparingly soluble . Ethanol : slightly soluble . water : practically insoluble, or insoluble .
<b>Partition Coefficient (n-octanol/water)</b>	No data available

Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	No data available
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### 10.2. Chemical stability

May be altered by light.

#### Explosion data

Sensitivity to Mechanical Impact	none.
Sensitivity to Static Discharge	none.

10.3. Possibility of hazardous reactions	None under normal processing.
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10.4. Conditions to avoid	Extremes of temperature and direct sunlight.
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10.5. Incompatible materials	Strong oxidizing agents.
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10.6. Hazardous decomposition products	Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	No information available
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Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	No information available
Germ cell mutagenicity	No information available.

Carcinogenicity	No information available.
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Reproductive toxicity	No information available
STOT - single exposure	May cause respiratory irritation
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.
CMR Effects	No information available

To the best of our knowledge, chemical, physical and toxicological properties have not been fully investigated.

## SECTION 12: Ecological information

12.1. Toxicity	No information available
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12.2. Persistence and degradability	No information available.
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12.3. Bioaccumulative potential	No information available.
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12.4. Mobility in soil	No information available.
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12.5. Results of PBT and vPvB assessment	No information available
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12.6. Other adverse effects	No information available
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**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Method of disposing waste from residues / unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Precautionary including method of disposing contaminated packaging** Improper disposal or reuse of this container may be dangerous and illegal.

**SECTION 14: Transport information**

<b>IMDG</b>	Not regulated
<b>14.1 UN/ID No</b>	-
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special provisions</b>	Not regulated
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available

<b>IATA</b>	Not regulated
<b>14.1 UN/ID No</b>	-
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special provisions</b>	Not regulated

<b>ADR/RID</b>	Not regulated
<b>14.1 UN/ID No</b>	-
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special provisions</b>	Not regulated

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Water hazard class (WGK)** No information available

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**International Inventories**

<b>TSCA</b>	Listed
<b>EINECS/ELINCS</b>	Listed
<b>DSL</b>	-
<b>NDSL</b>	-
<b>ENCS</b>	-

**15.2. Chemical safety assessment**

No information available

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## SECTION 16: Other information

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Revision Date 16-Apr-2019

**Key or legend to abbreviations and acronyms used in the safety data sheet**

No information available

**Disclaimer**

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.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**