1. Identification

Product identifier used on the label

RX063539 IRGAZIN RUBINE L 4025

Recommended use of the chemical and restriction on use

Recommended use*: colouring component

* The “Recommended use” identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: pigment

2. Hazards Identification


Classification of the product

Combustible Dust   Combustible Dust (1)   Combustible Dust

Label elements

Signal Word: Warning

Hazard Statement:
May form combustible dust concentration in air.

Hazards not otherwise classified

The product is under certain conditions capable of dust explosion.


Emergency overview

CAUTION:
This product has no known adverse effect on human health.
Refer to MSDS Section 7 for Dust Explosion information.

3. Composition / Information on Ingredients


This product does not contain any components classified as hazardous under the referenced regulation.


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret</td>
<td>&gt;= 75.0 - &lt;= 100.0 %</td>
<td>C.I. Pigment Red 264</td>
</tr>
</tbody>
</table>

4. First-Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing.

If inhaled:
If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:
Wash thoroughly with soap and water.
If irritation develops, seek medical attention.

If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.
If irritation develops, seek medical attention.

If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

Most important symptoms and effects, both acute and delayed
Symptoms: No significant reaction of the human body to the product known.

Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

Additional information:
Avoid whirling up the material/product because of the danger of dust explosion.

Special hazards arising from the substance or mixture
Hazards during fire-fighting:
harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters
Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

Impact Sensitivity:
Method: Lütolf (fall height = 80 cm, drop weight = 49 N)
Assessment: no

Height of Fall: 0.80 m
Assessment: Product is not explosive when subjected to mechanical impact.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Use personal protective clothing.

Environmental precautions
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Contain with dust binding material and dispose of.
Avoid raising dust.
7. Handling and Storage

**Precautions for safe handling**
Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:
Avoid dust formation. Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities**

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

8. Exposure Controls/Personal Protection

**Personal protective equipment**

**Respiratory protection:**
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.


**Hand protection:**
Chemical resistant protective gloves

**Eye protection:**
Safety glasses with side-shields. Wear face shield if splashing hazard exists.

**General safety and hygiene measures:**
Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>powder</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless</td>
</tr>
<tr>
<td>Colour</td>
<td>red</td>
</tr>
<tr>
<td>pH value</td>
<td>approx. 8</td>
</tr>
<tr>
<td>Melting point</td>
<td>&gt; 330 °C</td>
</tr>
<tr>
<td>Flammability</td>
<td>not highly flammable</td>
</tr>
<tr>
<td>Autoignition</td>
<td>&gt; 500 °C (BAM)</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>not applicable</td>
</tr>
<tr>
<td>Density</td>
<td>1.35 g/cm³ (25 °C)</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.41 (OECD Guideline 109)</td>
</tr>
<tr>
<td>Bulk density</td>
<td>263 kg/m³</td>
</tr>
<tr>
<td>Partitioning coefficient n-octanol/water (log Pow)</td>
<td>4.6 (20 °C)</td>
</tr>
</tbody>
</table>
10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:
Corrosive effects to metal are not anticipated.

Oxidizing properties:
not fire-propagating

Dust explosivity characteristics:
Kst:
Formation of Start temperature: 350 °C
flammable gases:

Chemical stability
The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions
Dust explosion hazard.

Conditions to avoid
Avoid electro-static discharge. Avoid sources of ignition.

Incompatible materials
No special precautions other than good housekeeping of chemicals.

strong oxidizing agents, strong bases, strong acids

Hazardous decomposition products

Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects
Acute toxicity
Assessment of acute toxicity: Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion.

Oral
Type of value: LD50
Species: rat
Value: > 2,000 mg/kg (Directive 84/449/EEC, B.1)

Inhalation
No data available.

Dermal
Type of value: LD50
Species: rat
Value: > 2,000 mg/kg

Assessment other acute effects
Assessment of STOT single:
Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion
Assessment of irritating effects: Not irritating to eyes and skin.

Skin
Species: rabbit
Result: non-irritant

Eye
Species: rabbit
Result: non-irritant

Sensitization
Assessment of sensitization: No sensitizing effect.

Guinea pig maximization test
Species: guinea pig
Result: Non-sensitizing.
Method: Directive 84/449/EEC, B.6

Aspiration Hazard
not applicable

Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: No substance-specific organtoxicity was observed after repeated administration to animals.
Experimental/calculated data: No data available.

Genetic toxicity
Assessment of mutagenicity: The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture.
The substance was not genotoxic in mammalian cell culture.

Carcinogenicity
Assessment of carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity
Assessment of reproduction toxicity: Study does not need to be conducted. Repeated oral uptake of the substance did not cause damage to the reproductive organs.

Teratogenicity
Assessment of teratogenicity: Study does not need to be conducted.

Symptoms of Exposure
No significant reaction of the human body to the product known.

12. Ecological Information

Toxicity

Toxicity to fish
LC50 (96 h) > 100 mg/l, Cyprinus carpio (Directive 84/449/EEC, C.1)

Aquatic invertebrates
EC50 > 100 mg/l, Daphnia magna (Directive 84/449/EEC, C.2)

Aquatic plants
EC50 (72 h) > 30 mg/l (growth rate), Scenedesmus sp. (Guideline 92/69/EEC, C.3)

Chronic toxicity to fish
No observed effect concentration (21 d) >= water solubility limit, Cyprinus carpio (other, Flow through.)
No toxic effects occur within the range of solubility.

Chronic toxicity to aquatic invertebrates
No observed effect concentration (21 d) >= water solubility limit, Daphnia magna (OECD Guideline 202, part 2, semistatic)
No toxic effects occur within the range of solubility. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Analogous: Assessment derived from products with similar chemical character.

Assessment of terrestrial toxicity
No toxic effects have been observed in studies with soil living organisms. No toxic effects have been observed in studies with terrestrial plants.
With high probability not acutely harmful to terrestrial organisms.

Soil living organisms

Toxicity to soil dwelling organisms:
LC50 (14 d) > 1,000 mg/kg, Eisenia fetida (other, artificial soil)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The details of the toxic effect relate to the nominal concentration.

Toxicity to terrestrial plants

EC100 > 1,000 mg/kg, Lolium perenne (OECD Guideline 208)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Other terrestrial non-mammals
Study does not need to be conducted.

**Microorganisms/Effect on activated sludge**

Toxicity to microorganisms
DIN EN ISO 8192-OECD 209-88/302/EEC,P. C activated sludge/EC50 (3 h): > 100 mg/l

**Persistence and degradability**

Elimination information

(28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) Not readily biodegradable (by OECD criteria).

Information on Stability in Water (Hydrolysis)
Study does not need to be conducted.

**Bioaccumulative potential**

Assessment bioaccumulation potential
Does not significantly accumulate in organisms.

**Additional information**

Other ecotoxicological advice:
Do not discharge product into the environment without control.

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**13. Disposal considerations**

**Waste disposal of substance:**
Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

**Container disposal:**
Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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**14. Transport Information**

**Land transport**
USDOT
Not classified as a dangerous good under transport regulations

**Sea transport**
IMDG
Not classified as a dangerous good under transport regulations

**Air transport**
IATA/ICAO
Not classified as a dangerous good under transport regulations
15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Fire (Combustible Dust);

NFPA Hazard codes:
Health : 1 Fire: 2 Reactivity: 0 Special:

HMIS III rating
Health: 1 Flammability: 1 Physical hazard:0

Assessment of the hazard classes according to UN GHS criteria (most recent version):

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/02/12

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