Section 1. Identification

Code: C3022
GHS product identifier: Rh-50; acetylacetonatocarbonyl rhodium
Chemical name: dicarbonyl(pentane-2,4-dionato-O,O')rhodium
Other means of identification: dicarbonyl(pentane-2,4-dionato-o,o')rhodium
Product type: Solid.

Relevant identified uses of the substance or mixture and uses advised against: Not applicable.

Supplier's details: Johnson Matthey, 2001 Nolte Drive, West Deptford, NJ 08066 USA
Emergency telephone number (with hours of operation): For Hazardous Materials [or Dangerous Goods] Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night (collect calls accepted). Within USA and Canada: 1-800-424-9300. Outside USA and Canada: +1 703-527-3887

Section 2. Hazards identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture:
- FLAMMABLE SOLIDS - Category 2
- ACUTE TOXICITY (oral) - Category 3
- EYE IRRITATION - Category 2A
- SKIN SENSITIZATION - Category 1

GHS label elements

Hazard pictograms

Signal word: Danger

Hazard statements:
- Flammable solid.
- Toxic if swallowed.
- Causes serious eye irritation.
- May cause an allergic skin reaction.

Precautionary statements

Prevention:
- Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response:
- IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. 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 attention.

Storage:
- Store locked up.

Disposal:
- Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified: None known.
Section 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>dicarbonyl(pentane-2,4-dionato-O,O')rhodium</td>
<td>100</td>
<td>14874-82-9</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

**Eye contact**
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Inhalation**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact**
Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion**
Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

**Potential acute health effects**

**Eye contact**
Causes serious eye irritation.

**Inhalation**
No known significant effects or critical hazards.

**Skin contact**
May cause an allergic skin reaction.

**Ingestion**
Toxic if swallowed.

**Over-exposure signs/symptoms**

**Eye contact**
Adverse symptoms may include the following: pain or irritation watering redness

**Inhalation**
No specific data.

**Skin contact**
Adverse symptoms may include the following: irritation redness

**Ingestion**
No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician**
Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments**
No specific treatment.
Section 4. First aid measures

Protection of first-aiders
No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media
- **Suitable extinguishing media**: Use dry chemical, CO₂, water spray (fog) or foam.
- **Unsuitable extinguishing media**: Do not use water jet.

Specific hazards arising from the chemical
- Flammable solid. Risk of explosion if heated under confinement.

Hazardous thermal decomposition products
Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide
- metal oxide/oxides

Special protective actions for fire-fighters
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. First move people out of line-of-sight of the scene and away from windows. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Fight fire from protected location or maximum possible distance. Do not fight fire when it reaches the material. Withdraw from fire and let it burn.

Special protective equipment for fire-fighters
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters' protective clothing will only provide limited protection.

Remark
Risk of explosion if heated under confinement.

Remark
As supplied (green crystals) this material is stable. The red form has been reported to be explosive.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
- **For non-emergency personnel**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- **For emergency responders**: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- **Environmental precautions**: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up
- **Small spill**: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- **Large spill**: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep away from heat. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
</table>
| dicarbonyl(pentane-2,4-dionato-O,O')rhodium | ACGIH TLV (United States, 3/2015).  
TWA: 1 mg/m³, (as Rh) 8 hours.  
OSHA PEL (United States, 2/2013).  
TWA: 0.1 mg/m³, (as Rh) 8 hours.  
TWA: 0.1 mg/m³, (as Rh) 8 hours. Form: Insoluble  
NIOSH REL (United States, 10/2013).  
TWA: 0.1 mg/m³, (as Rh) 10 hours. Form: METAL FUME AND INSOLUBLE |

Appropriate engineering controls

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection
Section 8. Exposure controls/personal protection

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection
Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection
Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: multi-gas/vapor filter, Not recommended: disposable particulate mask, particulate filter

Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid. [Crystals.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Sublimation temperature</td>
<td>50°C (122°F)</td>
</tr>
<tr>
<td>Color</td>
<td>Green.</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Burning time</td>
<td>Not available.</td>
</tr>
<tr>
<td>Burning rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Risk of explosion if heated under confinement.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Lower and upper explosive (flammable) limits</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>SADT</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Not available.</td>
</tr>
<tr>
<td>Soluble in the following materials: acetone. Partially soluble in the following materials: methanol. Insoluble in the following materials: cold water.</td>
<td></td>
</tr>
</tbody>
</table>

Section 10. Stability and reactivity

Reactivity
No specific test data related to reactivity available for this product or its ingredients.

Chemical stability
The product is stable.

Possibility of hazardous reactions
Hazardous reactions or instability may occur under certain conditions of storage or use. Conditions may include the following:
heating under confinement
Reactions may include the following:
risk of explosion

Conditions to avoid
Avoid all possible sources of ignition (spark or flame).

Incompatible materials
Reactive or incompatible with the following materials:
oxidizing materials

Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Section 11. Toxicological information

Information on toxicological effects

**Acute toxicity**
Not available.

**Conclusion/Summary**
Toxic if swallowed.

**Irritation/Corrosion**
Not available.

**Conclusion/Summary**

**Skin**
Not available.

**Eyes**
Causes eye irritation.

**Respiratory**
Not available.

**Sensitization**
Not available.

**Conclusion/Summary**

**Skin**
May cause an allergic skin reaction.

**Respiratory**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Mutagenicity**
Not available.

**Conclusion/Summary**

**Carcinogenicity**
Not available.

**Conclusion/Summary**

**Reproductive toxicity**
Not available.

**Conclusion/Summary**

**Teratogenicity**
Not available.

**Conclusion/Summary**

**Specific target organ toxicity (single exposure)**
Not available.

**Specific target organ toxicity (repeated exposure)**
Not available.

**Aspiration hazard**
Not available.

**Information on the likely routes of exposure**
Routes of entry anticipated: Dermal, Inhalation.
Routes of entry not anticipated: Oral.

**Potential acute health effects**

**Eye contact**
Causes serious eye irritation.

**Inhalation**
No known significant effects or critical hazards.

**Skin contact**
May cause an allergic skin reaction.

**Ingestion**
Toxic if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact**
Adverse symptoms may include the following:
- pain or irritation
- watering
- redness

**Inhalation**
No specific data.
Section 11. Toxicological information

Skin contact: Adverse symptoms may include the following:
- irritation
- redness

Ingestion: No specific data.

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

Short term exposure
- Potential immediate effects: Not available.
- Potential delayed effects: Not available.

Long term exposure
- Potential immediate effects: Not available.
- Potential delayed effects: Not available.

Potential chronic health effects: Not available.

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates: Not available.

Interactive effects: Not available.

Other information: Not available.

Section 12. Ecological information

Toxicity
- Not available.

Conclusion/Summary: Harmful to aquatic life with long lasting effects.

Persistence and degradability
- Not available.

Conclusion/Summary: Not available.

Bioaccumulative potential
- Not available.

Mobility in soil
- Soil/water partition coefficient ($K_{OC}$): Not available.
- Mobility: Not available.

Other adverse effects: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that
Section 13. Disposal considerations

have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste stream: Not available.
RCRA classification: Not available.

Section 14. Transport information

<table>
<thead>
<tr>
<th>DOT Classification</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>UN2926</td>
<td>UN2926</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>Flammable solids, toxic, organic, n.o.s. (Rhodium Compound, solid)</td>
<td>FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S. (Rhodium Compound, solid)</td>
</tr>
<tr>
<td>Transport hazard class(es) and Packing group</td>
<td>4.1 (6.1) II</td>
<td>4.1 (6.1) II</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>Additional information</td>
<td>Limited quantity</td>
<td>Emergency schedules (EmS)</td>
</tr>
<tr>
<td></td>
<td>Yes.</td>
<td>F-A, S-G</td>
</tr>
<tr>
<td></td>
<td>Packaging instruction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Passenger aircraft</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Quantity limitation: 15 kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cargo aircraft</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Quantity limitation: 50 kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Special provisions</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A1, IB6, IP2, T3, TP33</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Special provisions</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A3, A803</td>
<td></td>
</tr>
</tbody>
</table>

Special precautions for user: Avoid exposure. ERG No. 134
Transport in bulk according to Annex II of MARPOL and the IBC Code: Not available.

Proprietary name: Not available.
Ship type: Not available.
Pollution category: Not available.

Section 15. Regulatory information

U.S. Federal regulations
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): Not determined

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not listed
Clean Air Act Section 602 Class I Substances: Not listed
Clean Air Act Section 602 Class II Substances: Not listed
DEA List I Chemicals (Precursor Chemicals): Not listed
DEA List II Chemicals (Essential Chemicals): Not listed
SARA 302/304: Not listed
Section 15. Regulatory information

Composition/information on ingredients

No products were found.

SARA 304 RQ  Not applicable.
SARA 311/312  
Classification  Fire hazard
Immediate (acute) health hazard

Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Fire hazard</th>
<th>Sudden release of pressure</th>
<th>Reactive</th>
<th>Immediate (acute) health hazard</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>dicarbonyl(pentane-2,4-dionato-O,O')rhodium</td>
<td>100</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
</tbody>
</table>

State regulations

Massachusetts  This material is not listed.
New York  This material is not listed.
New Jersey  This material is not listed.
Pennsylvania  This material is not listed.
Not available.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals
Not listed.

Montreal Protocol (Annexes A, B, C, E)
Not listed.

Stockholm Convention on Persistent Organic Pollutants
Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)
Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals
Not listed.

International lists

National inventory

Australia  Not determined.
Canada  Not determined.
China  Not determined.
Europe  This material is listed or exempted.
Japan  
Japan inventory (ENCS): Not determined.
Japan inventory (ISHL): Not determined.
Malaysia  Not determined.
New Zealand  Not determined.
Philippines  Not determined.
Republic of Korea  Not determined.
Taiwan  This material is listed or exempted.
Turkey  Not determined.
### Section 16. Other information

#### Procedure used to derive the classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABLE SOLIDS - Category 2</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>ACUTE TOXICITY (oral) - Category 3</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>EYE IRRITATION - Category 2a</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>SKIN SENSITIZATION - Category 1</td>
<td>Expert judgment</td>
</tr>
</tbody>
</table>

#### History

- **Date of printing**: 10/01/2017
- **Date of issue/Date of revision**: 10/01/2017
- **Date of previous issue**: 29/11/2016
- **Version**: 3
- **Prepared by**: Not available.

#### Key to abbreviations

- **ATE**: Acute Toxicity Estimate
- **BCF**: Bioconcentration Factor
- **GHS**: Globally Harmonized System of Classification and Labelling of Chemicals
- **IATA**: International Air Transport Association
- **IBC**: Intermediate Bulk Container
- **IMDG**: International Maritime Dangerous Goods
- **LogPow**: logarithm of the octanol/water partition coefficient
- **UN**: United Nations

#### References

Not available.

> Indicates information that has changed from previously issued version.


**Rh-50; acetylacetonatocarbonyl rhodium**

| CAS: 14874-82-9 | Code: C3022 |

**Danger**

- Flammable solid. Toxic if swallowed. Causes serious eye irritation. May cause an allergic skin reaction.
- Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. 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 attention. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations. Read SDS before using this product. Do not handle until all safety precautions have been read and understood.

Johnson Matthey 2001 Nolte Drive, West Deptford, NJ 08066 USA  non-emergencies: +1 856 384 7050; emergencies +1 800 424 9300

#### Notice to reader

This 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. Such information is given in good faith, being based on the latest information available to Johnson Matthey PLC and is to the best of Johnson Matthey PLC’s knowledge and belief, accurate and reliable at the time of preparation. However, no representation, warranty or guarantee is made as to the accuracy, liability or completeness and Johnson Matthey PLC assumes no responsibility therefore, and disclaims any liability for any loss, damage or injury howsoever arising (including in respect of any claim brought by any third party) incurred using this information. The product is supplied on the condition that the user accepts responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. Freedom from patent or any other proprietary rights of any third party must not be assumed.