



OSHA MATERIAL SAFETY DATA SHEET

INTERNATIONAL FLAVORS & FRAGRANCES

Product : COMPOUND ORA 4722 - OR-614 used in WUNDER-BAUM® WC „Mandarine“
Date : March 21, 2005 Page 1 (5)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : COMPOUND ORA 4722 - OR-614
IFF Product Code : 30698442
Prepared for : CAR-FRESHNER CORPORATION
Customer Product No : SD112055
Product Use : Ingredient used in Flavor - Fragrance products.
Company Identification : IFF USA FRAGRANCES (HAZLET)
600 State Highway #36
Hazlet NJ 07730-1704
Telephone Numbers : Transport Emergency (1) 800 424 9300
Product Information 732-264-4500

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chem. Identification : PERFUMERY COMPOUND
Formula : Not applicable
Molecular Weight : Not applicable

The specific chemical identities of the ingredients not listed herein are considered by IFF to be Trade Secrets and are withheld in accordance with the provisions of 1910.1200 of Title 29 of the U.S. Code of Federal Regulations.

3. HAZARDS IDENTIFICATION

Combustible. Eliminate all ignition sources. Bond and ground all containers and transfer systems.

Primary Routes of Exposure.

Skin contact
Eye contact
Inhalation

Potential Health Hazards.

Acute Exposure

Irritating to skin, eyes, and respiratory system.
Repeated contact may cause allergic skin reaction.

Chronic Exposure

Repeated daily dosing of large amounts to laboratory animals resulted in nerve damage, ocular tension, and reproductive effects. Similar effects have not been reported in humans.

Carcinogenicity : OSHA [] IARC [] NTP [] ACGIH []

4. FIRST AID MEASURES

Inhalation : Remove from exposure to fresh air. Obtain medical advice as necessary.
Resuscitate or administer oxygen as needed.

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Update of section : 8,14,15,16

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4. FIRST AID MEASURES

Eye Contact : Flush immediately with water for at least 15 minutes. Contact a physician if symptoms persist.

Skin Contact : Remove contaminated clothing. Wash affected area thoroughly with soap and water. Contact a physician if symptoms persist.

Ingestion : Give water to dilute and obtain medical advice.

5. FIRE FIGHTING MEASURES

Flash Point : 128 °F (typical analysis) Tag Closed Cup

Upper Flam. Limit : Not available

Lower Flam. Limit : Not available

Auto-Ignition Temp. : Not available

Extinguishing Media : Use water spray, dry chemical, carbon dioxide or appropriate foam.

Special Fire Fighting Proc. : Wear NIOSH approved self-contained breathing apparatus and full protective clothing when fighting fires involving chemicals. Use water spray to cool containers exposed to fire.

Unusual Fire and Explosion Hazards : Closed containers may build pressure when exposed to heat or fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection : Avoid inhalation and contact with skin and eyes. Self contained breathing apparatus and protective clothing is advised for major spills and spills or leaks in confined areas.

Procedures : Eliminate all ignition sources. Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent materials. Use Sodium Hypochlorite solution (bleach) to neutralize odor.

7. HANDLING AND STORAGE

Handling Procedures : Avoid inhalation and contact with skin and eyes. Follow good industrial practices as to housekeeping and personal hygiene. Wash after any chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be cleaned before re-use. An eyewash fountain and/or safety shower should be available in the work area. Keep any heated processes at the lowest possible temperature in order to minimize emissions of volatile chemicals into the air. Use special caution when removing residual chemicals from tanks or other containers with steam or hot water, as this may increase exposure to volatile chemical vapors. Restrict access to areas where chemicals are openly handled; only essential workers should enter these areas and only with proper protection. This material is intended for manufacturing use only.

Storage Conditions : Store in a cool, dry, ventilated area away from heat sources. Keep containers upright and tightly closed when not in use so that their contents do not get into workplace air.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

- Closed Systems** : Wherever possible, use closed systems to transfer chemicals.
- Isolation** : If appropriate, isolate mixing rooms and other areas where chemicals are openly handled and maintain these areas under negative air pressure relative to the rest of the plant.
- Ventilation** : Use local exhaust ventilation meeting ACGIH design criteria around tanks and other sources of potential exposures, including places where chemicals are openly weighed or measured, as well as general dilution ventilation of the work area to eliminate or reduce possible worker exposures. Consult a qualified ventilation engineer.
- Respiratory Protection** : No respiratory protection is required during normal operations in a workplace where engineering controls such as adequate ventilation, etc. are sufficient.
- If engineering controls are not sufficient, an appropriate NIOSH-certified half-mask, negative-pressure respirator with organic vapor canisters or cartridges and particulate filters should be used:
- a) while engineering controls and appropriate work practices are being implemented; or
 - b) during short term maintenance procedures when controls may not be sufficient; or
 - c) if vapor concentration is high due to heat; or
 - d) during emergencies; or
 - e) if engineering controls are not sufficient to reduce a concentration below a risk level such as a PEL.
- To the extent one wishes to know what will yield maximum respiratory protection, it is an air supplied respirator.
- Skin Protection** : Avoid contact with skin. Use oil/chemical resistant gloves.
- Eye Protection** : Use tight-fitting goggles or a full-facepiece respirator when eye contact might occur.
- Exposure Monitoring** : Use a certified air sampling expert to identify volatile chemicals that are present in significant amounts in the air, and to measure on a regular basis the air concentrations of one or more of these chemicals as indicators of exposure and to ensure the continuing effectiveness of engineering controls.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : CLEAR LIQUID
- Odor** : CONFORMS TO STANDARD
- Color** : ORANGE
- pH** : NOT APPLICABLE.
- Vapour pressure (mmHg)** : NOT DETERMINED.
- Density (relative) d20/4** : NOT DETERMINED.
- Boiling point** : NOT DETERMINED.
- Melting point** : NOT DETERMINED.
- Solubility** : NOT DETERMINED.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity : NOT DETERMINED.
 Evaporation Rate : NOT DETERMINED.
 Percent Volatile @70°F : NOT DETERMINED.
 Partition coef. log p octanol/water : NOT DETERMINED.

10. STABILITY AND REACTIVITY

Stability : This material is considered stable under normal conditions of storages, shipment and/or use. It presents no significant reactivity hazards by itself or in contact with water. Hazardous polymerization will not occur.
 Incompatibility : Avoid contact with strong acids, alkalis or oxidizing agents.
 Decomposition : Carbon Monoxide and unidentified organic compounds may be formed during combustion.

11. TOXICOLOGICAL INFORMATION

Target Organ Effects.

Repeated daily dosing of large amounts to laboratory animals resulted in nerve damage, ocular tension, and reproductive effects. Similar effects have not been reported in humans.

12. ECOLOGICAL INFORMATION

General : Avoid contamination of soil, ground and surface water.

13. DISPOSAL CONSIDERATIONS

Procedures : Place material into sealed containers and dispose of in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

Regulator	Class	Pack Group	Sub risk	UN-nr.
DOT (Non-Bulk)	: Not regulated			
Proper Shipping Name	:			
ADR/RID	: Not available			
Proper Shipping Name	:			
IATA (Air Cargo)	: 3	III		UN1169
Proper Shipping Name	: EXTRACTS, AROMATIC, LIQUID			
IMDG	: 3	III		UN1169
Proper Shipping Name	: EXTRACTS, AROMATIC, LIQUID			

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15. REGULATORY INFORMATION

SARA Title III

Section 311 Hazard Categories:

Fire[X] Sudden Release of Pressure[] Reactivity[] Acute Health[X] Chronic Health[X]

Section 313 Toxic Chemicals

Chemical Class

Concentration (% by weight)

This product does not contain any SARA 313 toxic chemicals

EEC Classification

Classification Packaging/Labelling : Packaging/Labelling (Directive 88/379/EEC)

Hazard Symbol : Not determined

Risk-phrases : Not determined

S-phrases : Not determined

Contains : Not determined

16. OTHER INFORMATION

Hazard Rating

Scale

Health	01	0-Insignificant
Fire	02	1-Slight
Reactivity	00	2-Moderate
		3-High
		4-Extreme

Disclaimer

The information in this MSDS was obtained from current and reliable sources. However the data is provided without any warrant, expressed or implied, regarding its correctness or accuracy. Since the use, handling, storage and disposal of this product are beyond IFF control, it is the responsibility of the user both to determine safe conditions for the use of this product and to assume liability of loss, damage, or expense arising out of the product's improper use. No warranty expressed or implied regarding the product described herein shall be created by or inferred from any statement or omission in this MSDS. Various Federal, State or Provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.

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