## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

### 1.1. Identification of the substance/mixture

**Trade name:** **ISOBUTYRALDEHYDE PG ACETAL**
**Substance name:** ISOBUTYRALDEHYDE PROPYLENEGLYCOL ACETAL
**CAS Number:** 67879-60-1
**CE Number:** 267-550-3
**REACH Registration number:** Exempt from registration (imported/manufactured < 1 ton/year)

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

Raw material for the manufacture of fragrances and/or flavourings.

### 1.3. Details of the supplier of the safety data sheet

**Company:** **Prodasynth**
**Address:** 4 Av. Joseph Honoré Isnard
06130 GRASSE – FRANCE
**Telephone:** (00 33) 4 93 09 00 11
**Fax:** (00 33) 4 22 13 07 38
**E-mail:** info@prodasynth.com

### 1.4. Emergency telephone number

(00 33) 4 93 09 00 11 (8:30 - 17:30)
National emergency information services:
**FR**: (+33) 1 45 42 59 59 (24h/7)

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Flammable Liquids - Category 3 - H226

### 2.2. Label Elements

**Hazard pictograms:**

**Signal Word:**
Warning

**Hazard statements:**
H226 – Flammable liquid and vapour.

**Precautionary statements:**
P210 – Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233 – Keep container tightly closed.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 – In case of fire: Use carbon dioxide, foam, dry powder or water spray for extinction.
P403+P235 – Store in a well-ventilated place. Keep cool.

### 2.3. Other hazards

Product not containing any component that meets the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.
Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Chemical name: ISOBUTYRALDEHYDE PROPYLENEGLYCOL ACETAL
CAS number: 67879-60-1
EC number: 267-550-3
**Hazardous constituents:**
Declaration of substances is not required.

### 3.2. Mixtures
Not applicable.

## SECTION 4. FIRST-AID MEASURES

### 4.1. Description of necessary first aid measures
Ingestion: Rinse mouth with water.
Obtain medical advice.
Keep at rest. Do not induce vomiting.
Eye contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.
Inhalation: Remove person to fresh air and keep at rest.
Seek immediate medical advice.
Skin contact: Take off immediately all contaminated clothing.
Thoroughly wash affected skin with soap and water.
Seek medical attention if symptoms persist.

### 4.2. Most important symptoms and effects, both acute and delayed
No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed
No information available.

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media
Water spray, carbon dioxide, dry chemical powder or appropriate foam.
For safety reasons do not use full water jet.

### 5.2. Special hazards arising from the substance or mixture
Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

### 5.3. Advice for firefighters
High temperatures can lead to high pressures inside closed containers.
Avoid inhalation of vapors that are created. Use appropriate respiratory protection.
Do not allow spillage of fire to be poured into drains or watercourses.
Wear self-contained breathing apparatus and protective clothing.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures
Evacuate surronding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.
Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

### 6.2. Environmental precautions
To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

### 6.3. Methods and materials for containment and cleaning up
Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
Place in covered containers using non-sparking tools and transport outdoors.
Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).
Ventilate area and wash spill site after material pickup is complete.

### 6.4. Reference to other sections
Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling
Do not store or handle this material near food or drinking water. Do not smoke.
Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.
Observe the rules of safety and hygiene at work.
Keep in the original container or an alternative made from a compatible material.

### 7.2. Conditions for safe storage, including any incompatibilities
Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.
Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).
Keep away from incompatible materials (see section 10).

### 7.3. Specific end use(s)
No information available.

## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. Control parameters
Components with occupational exposure limits:
None known.

### 8.2. Exposure controls

| | |
|---|---|
| Appropriate engineering controls: | Measures should be taken to prevent materials from being splashed into the body.<br>Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required. |
| Eye/Face protection: | Chemical safety goggles are recommended. Wash contaminated goggles before reuse. |
| Hand Protection: | Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse. |
| Body protection: | Personal protective equipment for the body should be selected based on the task being performed and the risks involved. |
| Respiratory Protection: | In case of insufficient ventilation, use suitable respiratory equipment. |
| Environmental exposure controls: | Emissions from ventilation or process equipment should be checked to ensure they comply with environmental protection legislation.<br>In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical sate: | Liquid |
| Colour: | Conforms to standard |
| Odour: | Conforms to standard |
| Melting point/freezing point: | Not determined |
| Boiling point or initial boiling point and range (°C): | 142°C |
| Flammability: | Not determined |
| Lower and upper explosion limit: | Not determined |
| Flash point: | 39 °C |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| pH: | Not determined |
| Kinematic viscosity: | Not determined |
| Solubility: | NON MISCIBLE IN WATER - MISCIBLE IN ALCOHOL/SOLUBLE IN ETHANOL |
| Partition coefficient n-octanol/water (log value): | Not determined |
| Vapour pressure: | Not determined |
| Density and/or relative density: | / |
| Relative vapour density: | Not determined |
| Particle characteristics: | Not determined |

### 9.2. Other information
**9.2.1. Information with regard to phyical hazard classes:**
No information avaliable.
**9.2.2. Other safety characteristics:**
No information avaliable

## SECTION 10. STABILITY AND REACTIVITY

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

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

### 10.3. Possibility of hazardous reactions
No hazardous reactions if stored and handled as prescribed/indicated.

### 10.4. Conditions to Avoid
Conditions to Avoid: Excessive heat, flame or other ignition sources.

### 10.5. Incompatible materials
Avoid contact with strong acids and bases and oxidizing agents.

### 10.6. Hazardous decomposition products
During combustion may form carbon monoxide and unidentified organic compounds.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|---|---|
| **Acute toxicity** | Based on the data available, the criteria for classification are not met. |
| **Skin corrosion/irritation** | Based on the data available, the criteria for classification are not met. |
| **Serious eye damage/irritation** | Based on the data available, the criteria for classification are not met. |
| **Respiratory or skin sensitisation** | Based on the data available, the criteria for classification are not met. |
| **Germ cell mutagenicity** | Based on the data available, the criteria for classification are not met. |
| **Carcinogenicity** | Based on the data available, the criteria for classification are not met. |
| **Reproductive toxicity** | Based on the data available, the criteria for classification are not met. |
| **STOT-single exposure** | Based on the data available, the criteria for classification are not met. |
| **STOT-repeated exposure** | Based on the data available, the criteria for classification are not met. |
| **Aspiration hazard** | Based on the data available, the criteria for classification are not met. |

### 11.2. Information on other hazards
**11.2.1. Endocrine disrupting properties:**
Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.
**11.2.2. Other information:**
No information available

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity
**Assessment:**
Based on the data available, the criteria for classification are not met.
**Experimental/calculated data:**
No information available.

### 12.2. Persistence and degradability
No information available.

### 12.3. Bioaccumulative potential
No information available.

### 12.4. Soil mobility
No information available.

### 12.5. Results of PBT and vPvB assessment
Product not containing any component that meets the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.

### 12.6. Endocrine disrupting properties
Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

### 12.7. Other adverse effects
See also sections 6, 7, 13 and 15
Do not allow to get into waste water or waterways.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods
Dispose of in accordance with national and local environmental regulations.

## SECTION 14: TRANSPORT INFORMATION

| | ADR/RID/ADN | IMDG | IATA-ICAO |
|---|---|---|---|
| **14.1. UN Number** | UN1197 | UN1197 | UN1197 |
| **14.2. UN Proper Shipping Name** | EXTRACTS, LIQUID | EXTRACTS, LIQUID (ISOBUTYRALDEHYDE PROPYLENEGLYCOL ACETAL) | EXTRACTS, LIQUID |
| **14.3. Transport Hazard Class(es)** | 3 | 3 | 3 |
| **14.4. Packing Group** | III | III | III |
| **14.5. Environmental hazards** | No | No | No |
| **Additional information** | | | |

### 14.6 Special precautions for user
None known

### 14.7. Maritime transport in bulk according to IMO instruments
No information available

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No information available

### 15.2. Chemical safety assessment
No information available

## SECTION 16: OTHER INFORMATION

**Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:**
Not applicable.

The information included in this safety data sheet is based on the available data at the moment this document is issued. It is meant to be a description of safety requirements for our product and does not stand for a guarantee of its properties. The user is responsible for taking all necessary steps leading to compliance with local rules and legislation.