

2-NITROBENZALDEHYDE

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: 2-NITROBENZALDEHYDE

Product Code: 2892

CAS#: 552-89-6

CI#: Not available

Synonym: no data available

Chemical Name: Not available

Chemical Formula: C₇H₅NO₃

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:

Synonyms: no data available

Formula: C₇H₅NO₃

Molecular Weight: 151,12 g/mol

CAS-No. : 552-89-6

EC-No. : 209-025-1

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Acute toxicity, Oral (Category 4), H302

Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2) H315

Eye irritation (Category 2) H319

Specific target organ toxicity - single exposure (Category 3) H335

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance

If inhaled If breathed in. Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Wash off with soap and plenty of water. Consult a physician.

In case of eye contact Flush eyes with water as a precaution.

If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delay No data available

Indication of any immediate medical attention and special treatment needed no data available

SECTION 5: FIRE AND EXPLOSION DATA

Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture Carbon oxides, nitrogen oxides (NO_x)

Advice for firefighters Wear self contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.



Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive. Store under inert gas.

Specific end use(s) A part from the uses no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Do not let product enter drains

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form	: White to yellow powder/crystals
Colour	: Not available
Odour	: Not available
Odour Threshold	: Not available
pH	: Not available
Melting point/freezing point	: Not available
Initial boiling point and boiling range	: Not available
Flash point	: Not available
Evaporation rate	: Not available
Flammability (solid, gas)	: Not available
Upper/lower flammability or explosive limits	: Not available
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: Not available
Water solubility	: Not available
Partition coefficient	: Not available
Auto-ignition temperature	: Not available



SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity no data available

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions no data available

Conditions to avoid no data available

Incompatible materials Strong oxidizing agents

Hazardous decomposition products **Other decomposition products** - no data available.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects LD50 Oral - mouse - 600 mg/kg Remarks: Behavioral: Altered sleep time (including change in righting reflex). Lungs, Thorax, or Respiration:Dyspnea. Gastrointestinal: Changes in structure or function of salivary glands.

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation no data available

Serious eye damage/eye irritation no data available

Respiratory or skin sensitization no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity no data available

Specific target organ toxicity - single exposure Inhalation - May cause respiratory irritation

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 12,5 mg/l - 96 h

Persistence and degradability no data available

Bioaccumulative potential no data available

Mobility in soil no data available

Results of PBT and vPvB assessment **PBT/vPvB assessment** no data available **Other adverse affects** no data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

UN number:

ADR/RID:

IMDG:

IATA:

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es):

ADR/RID:

IMDG:

IATA:

Packaging group:

ADR/RID:

IMDG:

IATA:

Environmental hazards:

ADR/RID: No

IMDG Marine pollutant: No

IATA: No

SECTION 15: OTHER REGULATORY INFORMATION

Regulatory information This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations/legislation specific for the substance or mixture no data available
Chemical Safety Assessment For this product a chemical safety assessment was not carried out

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements.

H302 Acute toxicity, Oral

H315 Skin irritation

H319 Eye irritation

H335 Specific target organ toxicity - single exposure

Special Considerations: Not available

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