

# Sodium Picramate

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: Sodium Picramate  
CAS Number: 831-52-7  
EC Number: 212-603-8

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

Identified use: Intermediate for organic chemicals

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

**Company name:** East Harbour Group Ltd  
20 Clough Road, Severalls Industrial Park  
Colchester, Essex, CO4 9QS  
United Kingdom

**Telephone:** +44 (0) 333 242 0100  
**Email:** [info@eastharbourgroup.com](mailto:info@eastharbourgroup.com)

### 1.4 Emergency telephone number

**Emergency telephone:** 0800 246 1274

## Section 2: Hazardous identification

### 2.1 Classification of the substance or mixture

Harmful



### 2.2 Label elements

Explosive when dry.  
Harmful by inhalation, in contact with skin and if swallowed.  
Harmful to aquatic organisms.  
May cause long-term adverse effects in the aquatic environment.

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## Section 3: Composition/information on ingredients

### 3.2 Mixtures

CAS #	Content (W/W)	Ingredients
831-52-7	<60-65%	2-amino-4, 6-dinitrophenol, Sodium Salt
88-89-1	<0.6%	2,4, 6-trinitrophenol, Picric Acid

Chemical name: Sodium Picramate (preparation wetted with >20% water)

Common name / synonyms: Sodium Picramate

## Section 4: First aid measures

### 4.1 Description of first aid measures

In case of skin contact: In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.

In case of eye contact: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

If swallowed: Rinse out mouth and give plenty of water to drink. Induce vomiting if patient is conscious; seek medical advice.

If inhaled: When inhaled remove to fresh air and seek medical aid.

### 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

Symptoms

Cyanosis

Headache

Nausea

Gastrointestinal complaints.

Hazards

Risk of circulatory collapse

Risk of deterioration due to consumption of alcohol.

Treatment

If swallowed, induce vomiting ( if conscious ).

If swallowed, flush stomach adding activated charcoal. Monitor blood circulation.

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### Section 5: Fire-fighting measures

#### 5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Use water spray jet, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media: full water jet.

#### 5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: Nitrogen oxides ( NOX ) Carbon monoxide ( CO ) Combustion gases of organic materials in principle are graded as inhalation poisons. Risk of formation of toxic pyrolysis products.

#### 5.3 Advice for firefighters

Special protective equipment: Breathing apparatus and full protective suit.

Further information: Cool endangered containers with water spray jet. Collect contaminated firefighting water separately, must not be discharged into the drains.

### Section 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Remove persons to safety. Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/aerosol.

#### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

#### 6.3 Methods and material for containment and cleaning up

Do not allow to dry out. Pick up mechanically Dilute with water Containers in which spilt substance has been collected must be adequately labelled. Dispose of absorbed material in accordance with the regulations. Cleaning operations should be carried out only with breathing apparatus.

### Section 7: Handling and storage

#### 7.1 Precautions for safe handling

##### Advice on safe handling.

Provide suitable exhaust ventilation at the processing machines.

Handle with care - avoid bumps , friction and impact.

Do not clean contaminated objects and floors while dry but clean thoroughly with plenty of water.

Avoid the formation and deposition of dust.

Dust deposits that cannot be avoided must be taken up regularly.

##### Advice on protection against fire and explosion

Dust can form an explosive mixture with air.

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Take precautionary measures against electrostatic loading.  
 Keep away from sources of ignition - refrain from smoking.  
 Avoid impact, friction and electrostatic loading.  
 Avoid influence of heat.  
 Observe the general rules of industrial fire protection.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels.

Only use containers that are approved specifically for the substance/product.  
 Use polyolefine liners.  
 Keep only in original container.

#### Further information on storage conditions.

Keep container tightly closed, Keep contains moist  
 Protect from heat/overheating.  
 Avoid product residues in/on containers  
 Storage class ( Germany ) : 4.1B

## Section 8: Exposure controls/personal protection

TRGS	900
CAS Number	88-89-1
Denotation	2,4,6-trinitrophenol; picric acid
Limit Value	0.1 mg/m <sup>3</sup> E Year: 2002
Extreme value limit category	-1=
Note	H

### 8.1 Control parameters

Eye/face protection: Tightly fitting safety glasses

Skin protection: Chemical resistant gloves (KN 374). Suitable materials: Viton. Breakthrough time/wear duration at permanent contact: Level 6/>480 min (Reference: Vitoject) Wear duration at occasional contact: with not washable pollution up to the Breakthrough time, otherwise longer wear duration possible.

Body protection: Light protective clothing

Respiratory protection: Breathing apparatus, if measures according to handling and storage section are not sufficient. Particle filters P2.

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## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Pasty
<b>Odor</b>	Odourless
<b>Odor Threshold</b>	No information available
<b>pH</b>	7 to 9
<b>Melting Point/Range</b>	No information available
<b>Boiling Point/Range</b>	No information available
<b>Ignition temperature</b>	250 C
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	Not highly flammable (method: 92/69/EEC, A 10)
<b>Explosion Limits</b>	No information available
<b>Vapor Pressure</b>	No information available
<b>Vapor Density</b>	No information available
<b>Specific Gravity / Density</b>	No information available
<b>Bulk Density</b>	No information available
<b>Water Solubility</b>	Approx 2.00 gms/lit at 20C
<b>Solubility in other solvents</b>	No information available
<b>Partition Coefficient</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available

## Section 10: Stability and Reactivity

<b>10.1 Reactivity</b>	Thermal decomposition >210. Explosive decomposition Risk of explosions in dry state. If product is heated above decomposition temperature toxic vapours may be released. Reactions with strong acids. Reactions with strong oxidising agents
<b>10.2 Hazardous decomposition products</b>	Possible decomposition products with fire or thermal decomposition

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## Section 11: Toxicological Information

### Product Information

#### 11.1 Toxicological effects:

Acute oral toxicity (LD50)= 378 mg/kg

Species: mouse

Source: RTECS

Remarks: The specification to the toxicology refers to the main component.

#### Other toxicity data:

Methaemoglobin formation cannot be rule out.

Liver and Kidney damage is possible.

Alcohol consumption increases toxic effect..

Sensitization through skin contact possible.

The product discolours the skin

## Section 12: Ecological Information

### 12.1 Toxicity

#### Ecotoxicity effects

Biological elimination: <25%

Method of analysis: BOD in % of theoretical OD

Method: Test procedure after 'Warburg'

Source: Wasserschadstoffkatalog Ifw 1984

The details relate to 2-amino-4, 6-dinitrophenol

Algae toxicity (EC50)= 28 g/l

Species: Ankistrodesmns falcatus

Source: Wasserschadstoffkatalog Ifw 1984

The details relate to 2-amino-4, 6-dinitrophenol

Remarks: Do not allow to enter soil, waterways or waste water canal.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

#### Waste disposal of substance:

In accordance with regulations for special waste, must be taken, after pretreatment, to an authorised special waste incineration plant. With the disposal within the European Union the applicable waste key is to be used after the European Waste Catalogue (EWC).

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### Container disposal:

Contaminated packaging should be emptied as far as possible & after appropriate cleansing may be taken for reuse. Packing that cannot be cleaned should be disposed off as product waste. In case of passing empty and unclean containers to others please inform about possible dangers.

### Section 14: Transport Information

#### Road transport

ADR/RID

Class/numeral: 4.1

Packaging category I

Label for danger: 4.1

Product characteristic: UN 1349 Natriumpikramat, Angefeuchtet, 4.1, I

UN Number: 1349

Hazard Number: 40

#### Marine transport

IMDG-Code: 4.1

Packaging category I

EmS: 4.1-01

MFAG –

Correct technical name: Sodium Picramate, Wetted, 4.1, UN-No.: 1349, I

#### Air transport

ICAO/TATA-DGR: 4.1 Flammable solid

Correct technical name: Sodium Picramate, wetted

Packaging category: further information

Dispatch by post: Not permitted

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

### Section 15: Regulatory Information

Labeling in accordance with GafStoffV/EC

The product is classified and labeled in accordance with EC directives/German regulations on dangerous substances.

Hazard symbols Xn Harmful

Hazardous component (s) to be indicated on label.

Contains 2-amino-4, 6-dinitrophenol; Sodium salt.

R phrases

## Sodium Picramate

1 Explosive when dry.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### S phrases

35 This material and its container must be disposed of in a safe way.

36/37 Wear suitable protective clothing and gloves.

48.1 Keep wet with water.

61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Water Hazard Class (Germany): 2 ( self-classification )

According to "VwVwS" 17.05.1999 (FRG)