

Revision Date 24-Sep-2012

Revision Number 5

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

**Product Identifier**

**Product Description:** Sodium, dry stick  
**Cat No.** 370210000; 370210010; 370212500

**Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** Laboratory chemicals  
**Uses advised against** No Information available

**Details of the supplier of the safety data sheet**

**Company**

Acros Organics BVBA  
 Janssen Pharmaceuticaaan 3a  
 2440 Geel, Belgium

**E-mail address** begel.sdsdesk@thermofisher.com

**Emergency Telephone Number**

For information in the US, call: 001-800-ACROS-01  
 For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99  
 Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300  
 CHEMTREC Phone Number, Europe: 001-703-527-3887

## SECTION 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**REGULATION (EC) No 1272/2008**

Skin Corrosion/irritation	Category 1 B
Serious Eye Damage/Eye Irritation	Category 1
Substances/mixtures which, in contact with water, emit flammable gases.	Category 1

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

*For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16*

**Symbol(s)** F - Highly flammable  
 C - Corrosive  
**R-phrases** R34 - Causes burns  
**Risk Combination Phrases** R14/15 - Reacts violently with water, liberating extremely flammable gases

Sodium, dry stick

Revision Date 24-Sep-2012

**SECTION 2. HAZARDS IDENTIFICATION**

Label Elements



**Signal Word**

**Danger**

**Hazard Statements**

- H314 - Causes severe skin burns and eye damage
- H260 - In contact with water releases flammable gases which may ignite spontaneously
- EUH014 - Reacts violently with water

**Precautionary Statements - EU (§28, 1272/2008)**

- P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
- P280 - Wear eye protection/ face protection
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a POISON CENTER or doctor/ physician
- P402 + P404 - Store in a dry place. Store in a closed container

**Other Hazards**

No information available.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	EC-No.	Weight %	CAS-No	67/548/EEC Classification	CLP Classification - Regulation (EC) No 1272/2008	REACH No.
Sodium 7440-23-5	EEC No. 231-132-9	100	7440-23-5	R14 F; R15 C; R34	Skin Corr. 1B (H314) Eye Dam. 1 (H318) Water-react. 1 (H260) EUH014	01-2119484805-27

Sodium, dry stick

Revision Date 24-Sep-2012

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

#### SECTION 4. FIRST AID MEASURES

##### Description of first aid measures

###### **Eye Contact**

Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

###### **Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is required.

###### **Ingestion**

Call a physician immediately. Clean mouth with water.

###### **Inhalation**

Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediate medical attention is required.

###### **Notes to Physician**

Treat symptomatically

#### SECTION 5. FIRE-FIGHTING MEASURES

##### Extinguishing media

###### **Suitable Extinguishing Media**

Dry chemical. approved class D extinguishers. clay. sodium carbonate.

###### **Extinguishing media which must not be used for safety reasons**

Water. Carbon dioxide (CO<sub>2</sub>).

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

May ignite on contact with water or moist air. Contact with water liberates extremely flammable gases. Reacts violently with water.

###### **Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation

##### Environmental precautions

Prevent further leakage or spillage if safe to do so

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

**Sodium, dry stick**

**Revision Date 24-Sep-2012**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Neutralize with lime milk or soda and flush with plenty of water.

**SECTION 7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

Do not breathe dust. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Use only in area provided with appropriate exhaust ventilation. Use explosion-proof equipment. Use only non-sparking tools. Handle under argon.

**Conditions for safe storage, including any incompatibilities**

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat and sources of ignition. Never allow product to get in contact with water during storage. Store contents under argon.

**Specific End Uses**

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Component**  
Sodium

Latvia	Lithuania	Luxembourg	Malta	Romania
TWA: 0.2 mg/m <sup>3</sup>				

**Biological limit values**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)**

No information available.

**Predicted No Effect Concentration (PNEC)**

No information available.

**Exposure controls**

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas

**Personal protective equipment**

**Eye Protection**

Goggles

**Hand Protection**

Protective gloves

**Skin and body protection**

Wear appropriate protective gloves and clothing to prevent skin exposure

**Respiratory Protection**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

No information available.

Sodium, dry stick

Revision Date 24-Sep-2012

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Solid
Appearance	Light grey
pH	No information available.
Boiling Point/Range	883°C / 1621°F
Melting Point/Range	98°C / 208.4°F
Flash Point	No information available.
Autoignition Temperature	115°C / 239°F
Molecular Formula	Na
Molecular Weight	22.99

**SECTION 10. STABILITY AND REACTIVITY****Reactivity****Chemical Stability**

Reacts violently with water, liberating highly flammable gases. Air sensitive. Moisture sensitive.

**Possibility of Hazardous Reactions**

<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions .</b>	Reacts violently with water, liberating highly flammable gases.

**Conditions to Avoid**

Exposure to air, Incompatible products, Exposure to moist air or water.

**Incompatible Materials**

Acids, Water.

**Hazardous Decomposition Products**

Hydrogen.

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on Toxicological Effects****Acute Toxicity**

<b>Product Information</b>	No acute toxicity information is available for this product
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**Component Information**

Sodium, dry stick

Revision Date 24-Sep-2012

**SECTION 11. TOXICOLOGICAL INFORMATION****Chronic Toxicity****Carcinogenicity**

There are no known carcinogenic chemicals in this product

**Sensitization**

No information available.

**Mutagenic Effects**

No information available

**Reproductive Effects**

No information available.

**Developmental Effects**

No information available.

**Target Organs**

No information available.

**Other Adverse Effects**

See actual entry in RTECS for complete information

**Endocrine Disruptor Information**

None known

**SECTION 12. ECOLOGICAL INFORMATION****Toxicity****Ecotoxicity effects**

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

**Persistence and degradability**

No information available

**Bioaccumulative potential**

No information available.

**Mobility in soil**

No information available.

**Results of PBT and vPvB assessment****Other adverse effects**

No information available

**SECTION 13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste from Residues / Unused Products**

Dispose of in accordance with local regulations

**Contaminated Packaging**

Empty containers should be taken to local recyclers for disposal

**SECTION 14. TRANSPORT INFORMATION****IMDG/IMO**

Sodium, dry stick

Revision Date 24-Sep-2012

**SECTION 14. TRANSPORT INFORMATION**

UN-No 1428  
 Hazard Class 4.3  
 Packing Group I  
 Proper Shipping Name SODIUM

ADR

UN-No 1428  
 Hazard Class 4.3  
 Packing Group I  
 Proper Shipping Name SODIUM

IATA

UN-No 1428  
 Hazard Class 4.3  
 Packing Group I  
 Proper Shipping Name SODIUM

**SECTION 15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Sodium	231-132-9	-		X	X	-	X	X	X	X	X

Legend

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- CHINA** - China Inventory of Existing Chemical Substances
- AICS** - Inventory of Chemical Substances
- KECL** - Existing and Evaluated Chemical Substances

Chemical Safety Assessment

Sodium, dry stick

Revision Date 24-Sep-2012

**SECTION 16. OTHER INFORMATION****Full text of R-phrases referred to under sections 2 and 3**

R34 - Causes burns

R14/15 - Reacts violently with water, liberating extremely flammable gases

Revision Date 24-Sep-2012

Revision Summary

Reason for revision Not applicable

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet