



Creation Date 22-Dec-2009

Revision Date 05-Dec-2011

Revision Number 2

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

Product Identifier Product Description: Cat No. Synonyms

Sodium thiocyanate 446290000; 446290010; 446292500 Sodium rhodanate; Sodium sulfocyanate; Thiocyanic acid sodium salt; Sodium isothiocyanate

Relevant identified uses of the substance or mixture and uses advised againstRecommended UseLaboratory chemicalsUses advised againstNo Information available

Details of the supplier of the safety data sheetCompanyAcros Organics BVBAJanssen Pharmaceuticalaan 3a2440 Geel, BelgiumE-mail addressbegel.sdst

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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

Acute oral toxicity	Category 4
Acute dermal toxicity	Category 4
Acute Inhalation Toxicity - Vapors	Category 4
Chronic aquatic toxicity	Category 3

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)
 Xn - Harmful

 R-phrase(s)
 R32 - Contact with acids liberates very toxic gas

 Risk Combination Phrases
 R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

 R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment



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SECTION 2. HAZARDS IDENTIFICATION



Signal Word

Warning

Hazard Statements

H312 - Harmful in contact with skin H412 - Harmful to aquatic life with long lasting effects H302 - Harmful if swallowed H332 - Harmful if inhaled EUH032 - Contact with acids liberates very toxic gas

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

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P273 - Avoid release to the environment
P233 - Keep container tightly closed
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

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 thiocyanate 540-72-7	EEC No. 208- 754-4	>95		R32 R52-53	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Aquatic Chronic 3 (H412) EUH032	-

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





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SECTION 4. FIRST AID MEASURES

Description of first aid measures	
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Ingestion	Do not induce vomiting. Call a physician or Poison Control Center immediately.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Immediate medical attention is required.
Notes to Physician	Treat symptomatically

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

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

Extinguishing media which must not be used for safety reasons No information available.

Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

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

Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes and clothing.

Environmental precautions

Should not be released into the environment.

Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.



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SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Use only under a chemical fume hood. Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Keep away from acids.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from light. Keep away from acids.

Specific End Uses

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Component European Union		The United Kingdom	France	Belgium	Spain	
Sodium thiocyanate		STEL: 15 mg/m ³ 15 min	VME: 5 mg/m ³ 8			
		TWA: 5 mg/m ³ 8 hr	heures. CN			
		Skin	Skin			
Component	Italy	Germany	Portugal	The Netherlands	Finland	
Sodium thiocyanate		MAK: 2 mg/m ³ 8				
,		Stunden. inhalable				
		fraction				
		Skin				
		Peak: 2 mg/m ³				
				•		
Component	Austria	Denmark	Switzerland	Poland	Norway	
Sodium thiocyanate					TWA: 5 mg/m ³ 8 timer Skin	
Component	Bulgaria	Croatia	Ireland	Cyprus	Czech Republic	
Sodium thiocyanate			Skin			
Component	Latvia	Lithuania	Luxembourg	Malta	Romania	
Sodium thiocyanate	TWA: 10 mg/m ³	TWA: 10 mg/m ³				
Component	Russia - TWA	Slovak Republic	Slovenia	Sweden	Turkey	
Sodium thiocyanate	MAC: 10 mg/m ³					
-						

Biological limit values

Derived No Effect Level (DNEL)

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies. No information available.



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Predicted No Effect Concentration (PNEC)	No information available.
Exposure controls	
Engineering Measures	Use only under a chemical fume hood Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and safety showers are close to the workstation location
Personal protective equipment Eye Protection Hand Protection Skin and body protection Respiratory Protection	Safety glasses with side-shields Protective gloves Long sleeved clothing When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Hygiene Measures Environmental exposure controls

Handle in accordance with good industrial hygiene and safety practice No information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance odor pH Boiling Point/Range Melting Point/Range Flash Point Autoignition Temperature Evaporation Rate Water Solubility Specific Gravity Molecular Formula Molecular Weight Solid White odorless 5.5-7.5 (@ 20) 5% aq.sol. 20°C No information available. 287°C / 548.6°F No information available. No information available. No information available. 1390 g/L (21°C) > 1.0 C N Na S 81.07

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Hygroscopic. Light sensitive.

Possibility of Hazardous Reactions

Hazardous Polymerization	No information available
Hazardous Reactions .	Contact with acids liberates very toxic gas

Conditions to Avoid

Avoid dust formation, Incompatible products, Exposure to light, Exposure to moist air or water, Excess heat.

Incompatible Materials



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Strong oxidizing agents, Acids, Strong bases.

Hazardous Decomposition Products

Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrogen oxides (NOx). Sulfur oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium thiocyanate	764 mg/kg (Rat)		

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	Central nervous system (CNS) Blood Liver Thyroid
Other Adverse Effects	The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information
Endocrine Disruptor Information	None known

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity effects

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Persistence and degradability

No information available





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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	Chemical waste generators must determine whether a discarded chemical is classified as a
Products	hazardous waste. Chemical waste generators must also consult local, regional, and national
	hazardous waste regulations to ensure complete and accurate classification

Contaminated Packaging Empty containers should be taken to local recyclers for disposal

SECTION 14. TRANSPORT INFORMATION

IMDG/IMO	Not regulated
ADR	Not regulated
ΙΑΤΑ	Not regulated

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 thiocyanate	208-754-4	-		Х	Х	-	Х	Х	Х	Х	Х

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory



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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

SECTION 16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R32 - Contact with acids liberates very toxic gas

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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Revision Summary 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