CAS No: 143-33-9 MSDS



MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: Identification of the subs	tance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Substance
	:
CAS No	: 143-33-9
Product code	: 05845
1.2. Relevant identified uses of th	e substance or mixture and uses advised against
1.2.1. Relevant identified uses	
Use of the substance/mixture	: Laboratory chemicals, Manufacture of substances
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the	safety data sheet
Labogens Fine Chem Industries	
1st Floor, Above Bank of India, Guru Vil Ludhiana Pb. (141007)	har, Rahon Road,
+91 9316777775, +91 7707855700	
sales@labogens.com - www.Labogens	<u>s.com</u>
1.4. Emergency telephone number	
Emergency number	: +91 7707855700 (9:00am - 6:00 pm)
SECTION 2: Hazards identification	
2.1. Classification of the substant	ce or mixture
Classification according to Regulation	n (EC) No. 1272/2008 [CLP]
Acute toxicity (oral), H300	
Category 1 Acute toxicity (dermal) H310	

Category 1Acute toxicity (dermal),H310Category 1Acute toxicity (inhal.),Acute toxicity (inhal.),H330Category 1Hazardous to the aquaticHazardous to the aquaticH410environment — ChronicHazard, Category 1

Full text of classification categories and H statements : see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements	
Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	: GHS06 GHS09
Signal word (CLP)	: Danger
Hazard statements (CLP)	 H300+H310+H330 - Fatal if swallowed, in contact with skin or if inhaled H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	 P260 - Do not breathe dust/fume/gas/mist/vapours/spray P264 - Wash thoroughly after handling P273 - Avoid release to the environment P280 - Wear protective gloves/protective clothing/eye protection/face protection P284 - [In case of inadequate ventilation] wear respiratory protection P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician

2.3. **Other hazards**

No additional information available

SODIUM CYANIDE EXTRA PURE

SECTIO	ON 3: Composition/information on ingred	ents	
3.1.	Substance		
Name	•	Product identifier	%

(CAS No) 143-33-9

Full text of R- and H-phrases: see section 16	

3.2. Mixture

Not applicable

SECTION 4: First aid measures			
4.1. Description of first aid measure	es		
First-aid measures after inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathin Immediately call a POISON CENTER or doctor/physician.	ıg.
First-aid measures after skin contact	:	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.	i.
First-aid measures after eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if prese and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.	ent
www.Labogens.com		09/04/2015	2/10

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Safety Data Sheet

 4.2. Most important symptoms and offects, both acute and delayed Symptoms/injuries after inlained: Symptoms/injuries after inlained: Fatal in contact with skin. Fatal instruction and spacial treatment needed Treat symptomaically. Fatal in contact with skin. Synthesis and indicate medical attention and spacial treatment needed Treat symptoms/injuries after inlained: Synthesis and information available Synthesis and information available Advice for friefighters Protection during friefighters Protection during friefighters Protection any procession spectrum struct Sont after sking synthesis and structure equipment. Section S: Accidential reloase measures For non-emergency personnel Environmental precautions, protective equipment and emergency procedures For one-mergency personnel Environmental precautions Son prebase. Control structure in a structure in a sequired. Environmental precautions Son release. Conta low water (or most ail oontact with this material. Methods and material for containment and cleaning up Clear up rapidly by scoop or vacuum. A Reference to other sections No additional information available Fore and subabilisting shall scorage Comply with applicable regulations. Storage contact with water, because of violent reaction and possible flash fire. Protect form monisture. Handle under in at ga. Do not breat	First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
Symptomstinjuries after is in contact if Fatal in contact with skin. Symptomstinjuries after ingestion : Fatal if swallowed. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomsticuly. EECTION 55 Firefighting measures 5.1. Extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Unsuitable extinguishing media : Do not use extinguishing media containing water. 5.2. Special hazards arising from the substance or mixture No additional information available 5.3. Advice for firefighters Protection during firefighting : Do not attempt to take action without suitable protective equipment. SECTION 64 Accidental reloase measures 6.1. Personal precautions, protective equipment and emergency procedures 6.1. Personal precautions, protective equipment and emergency procedures 6.1. Personal precautions, protective equipment and emergency procedures 6.1. For one-emergency personnel Emergency procedures : Evacuate unnecessary personnel. 6.1. For one-emergency personnel Emergency procedures : Stop release. 6.2. Environmental precautions 7.1. Proceutione and relation containterial. 6.3. Methods and material proceutions 7.1. Proceutions of a containterial colonaing up Methods for cleaning up : Clear up rapidly by scoop or vacuum. 6.4. Reference to other sections No additional information available SECTION 7.4 Handling and storago 7.1. Precautions for safe handling Additional information available SECTION 7.4 Handling and storago 7.1. Precautions for safe handling Additional hazards when processed : Keep away from any possible contact with water, because of violent reaction and possible fish fire. Precautions for safe handling Additional hazards when processed : Keep away from any possible contact with water, because of violent reaction and possible fish fire. Precautions for safe handling Additional hazards when processed : Keep away from any possible contact with water, because of violent reaction and possible fish fire	4.2. Most important symptoms and e	ffects, both acute and delayed
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	Incompatible materials	: Keep away from any possible contact with water, because of violent reaction and
	7.3. Specific end use(s)	

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls	
Hand protection	: protective gloves
Eye protection	: Chemical goggles or face shield
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Wear respiratory protection
SECTION 9: Physical and chemical prop	perties
9.1. Information on basic physical a	
Physical state	: Solid
Molecular mass Colour	: 49.01 g/mol : White granular.
Odour	: almond odor.
Odour threshold	: No data available
pH	: 11 - 12
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 563.7 °C
Freezing point	: No data available
Boiling point	: 14960 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: In contact with water releases flammable gases which may ignite spontaneously
Vapour pressure	: 1 mm Hg at 8170C
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density Solubility	: 1.6 g/cm³ : Water: 48 g/100cm³ @ 100C
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

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Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates : Corrosive vapours. Reacts violently with water.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

In contact with water releases flammable gases which may ignite spontaneously. Highly reactive material. Reacts violently with water.

10.4. Conditions to avoid

Moisture.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Thermal decomposition generates : Corrosive vapours.

SECTION 11: Toxicological information	n
11.1. Information on toxicological e	ffecto
	: Oral: Fatal if swallowed. Dermal: Fatal in contact with skin. Inhalation: Fatal if
Acute toxicity	inhaled.
Skin corrosion/irritation	: Not classified
Skin conosion/initiation	pH: 11 - 12
Serious eye damage/irritation	: Not classified pH: 11 - 12
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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SECTION 12: Ecological information	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB asses	sement
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal	: Dispose of contents/container to
recommendations	
Additional information	: Do not allow water (or moist air) contact with this material.
SECTION 14: Transport information	
In accordance with ADD / RID / IMDC / M	
In accordance with ADR / RID / IMDG / IA	
14.1. UN number	
UN-No. (ADR)	: 1689 : 1689
UN-No. (IMDG) UN-No.(IATA)	: 1689
UN-No.(ADN)	: 1689
UN-No. (RID)	: 1689
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: SODIUM CYANIDE
Proper Shipping Name (IMDG)	
Proper Shipping Name (IATA)	: SODIUM CYANIDE, SOLID
Proper Shipping Name (ADN) Proper Shipping Name (RID)	: SODIUM CYANIDE, SOLID : SODIUM CYANIDE, SOLID
Transport document description (ADR)	: UN 1689 SODIUM CYANIDE, 6.1, I, (C/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN 1689 SODIUM CYANIDE, SOLID, 6.1, I, MARINE
	POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN 1689 SODIUM CYANIDE, SOLID, 6.1, I, ENVIRONMENTALLY HAZARDOUS

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Transport document description (ADN)

Transport document description (RID)

14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR) Danger labels (ADR)	: 6.1 : 6.1
IMDG	
Transport hazard class(es) (IMDG) Danger labels (IMDG)	: 6.1 : 6.1
IATA Transport hazard class(es) (IATA)	: 6.1
Hazard labels (IATA)	: 6.1
ADN	
Transport hazard class(es) (ADN) Danger labels (ADN)	: 6.1 : 6.1
RID Transport hazard class(es) (RID)	: 6.1
Danger labels (RID)	: 6.1
14.4. Packing group	
Packing group (ADR)	: 1

	Packing group (ADR)	: 1	
Packing group (IATA) : I	Packing group (IMDG)	: 1	
	Packing group (IATA)	: 1	

: UN 1689 SODIUM CYANIDE, SOLID, 6.1, I, ENVIRONMENTALLY HAZARDOUS

: UN 1689 SODIUM CYANIDE, SOLID, 6.1, I, ENVIRONMENTALLY HAZARDOUS

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Other information

-		
Packing group (ADN)	: I	
Packing group (RID)	:1	
14.5. Environmental hazards		
Dangerous for the environment	: Yes	
Marine pollutant	: Yes	

: No supplementary information available
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14.6. Special precautions for user

- Overland transport	
Classification code (ADR)	: T5
Limited quantities (ADR)	: 0
Excepted quantities (ADR)	: E5
Packing instructions (ADR)	: P002, IBC07
Mixed packing provisions (ADR)	: MP18
Portable tank and bulk container	: T6
instructions (ADR)	
Portable tank and bulk container special	: TP33
provisions (ADR)	
Tank code (ADR)	: S10AH
Tank special provisions (ADR)	: TU15, TE19
Vehicle for tank carriage	: AT
Transport category (ADR)	: 1
Special provisions for carriage - Packages (ADR)	: V10
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV1, CV13, CV28
Special provisions for carriage - Operation (ADR)	: S9, S14
Hazard identification number (Kemler No.)	: 66
Orange plates	66
	<u> </u>
Tunnel restriction code (ADR)	: C/E
EAC code	: 2X
- Transport by sea	
Limited quantities (IMDG)	: 0
Excepted quantities (IMDG)	: E5
Packing instructions (IMDG)	: P002
Packing provisions (IMDG)	: PP31
IBC packing instructions (IMDG)	: IBC07
IBC special provisions (IMDG)	: B1
Tank instructions (IMDG)	: T6
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-A
Stowage category (IMDG)	: B
Segregation (IMDG)	: SG35
MFAG-No	: 157
- Air transport	
PCA Excepted quantities (IATA)	: E5
PCA Limited quantities (IATA)	: Forbidden

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PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 666
PCA max net quantity (IATA)	: 5kg
CAO packing instructions (IATA)	: 673
CAO max net quantity (IATA)	: 50kg
ERG code (IATA)	: 6L
- Inland waterway transport	
Classification code (ADN)	: T5
Special provisions (ADN)	: 802
Limited quantities (ADN)	: 0
Excepted quantities (ADN)	: E5
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 2
- Rail transport	
Classification code (RID)	: T5
Limited quantities (RID)	: 0
Excepted quantities (RID)	: E5
Packing instructions (RID)	: P002, IBC07
Mixed packing provisions (RID)	: MP18
Portable tank and bulk container instructions (RID)	: T6
Portable tank and bulk container special provisions (RID)	: TP33
Tank codes for RID tanks (RID)	: S10AH
Special provisions for RID tanks (RID)	: TU15
Transport category (RID)	: 1
Special provisions for carriage – Packages (RID)	: W10
Special provisions for carriage – Loading and unloading (RID)	: CW13, CW28, CW31
Hazard identification number (RID)	: 66

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

SODIUM CYANIDE EXTRA PURE is not on the REACH Candidate List SODIUM CYANIDE EXTRA PURE is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

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AwSV/VwVwS Annex reference	: Water hazard class (WGK) 3, strongly hazardous to water (Classification according to VwVwS, Annex 2; WGK No 60)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
Denmark	
Recommendations Danish Regulation	Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal), Category 1
Acute Tox. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 1 (Oral)	Acute toxicity (oral), Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
H300	Fatal if swallowed
H310	Fatal in contact with skin
H330	Fatal if inhaled
H410	Very toxic to aquatic life with long lasting effects
T+	Very toxic

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product