CONTINGENCY PLAN / EMERGENCY PREPAREDNESS & RESPONSE PROCEDURE

Purpose

To establish a systematic approach for responding to emergencies during the handling and transportation of hazardous cargo, ensuring the safety of personnel, the public, property, and the environment.

Aim

Adcon has an Environmental procedure to identify potential for and response to environmental accidents and emergency situations, and for preventing and mitigating the impacts that may be associated with them.

Scope

This procedure applies to all employees, contractors, and third-party service providers involved in the handling, storage, and transportation of hazardous cargo.

Responsibilities

- **Site Manager / Supervisor:** Ensure emergency procedures are implemented and staff are trained.
- **Drivers / Operators:** Immediately report incidents and follow emergency response protocols.
- **Emergency Response Team (ERT):** Coordinate containment, evacuation, and communication with authorities.
- **All Employees:** Comply with PPE requirements and evacuation instructions.

Communication Protocol

- Immediate notification to **Site Manager** and **Emergency Services**.
- Inform **Client Representative** within 1 hour of incident.
- Submit **Incident Report** within 24 hours.

- Maintain communication logs for accountability.

Responsible for Review

- General Manager
- SHE Manager
- Emergency Response Site Leaders

Responsible for Implementation

- Environmental Coordinator
- Emergency Response Coordinators/Teams
- EMS Champions
- SHE Practitioners

Training & Drills

- All staff must undergo **annual emergency response training**.
- Conduct **quarterly drills** simulating hazardous cargo incidents.
- Maintain training records for compliance audits.

Documentation & Reporting

- Incident Report Form (completed within 24 hours).
- Investigation Report (completed within 7 days).
- Corrective Action Plan (implemented within 30 days).
- Records retained for minimum of 5 years.
- Document results in the register of potential environmental emergencies.

Communication and Training

- Communicate (internal and external) on all emergency situation plans and procedures using procedures on environmental communication.
- Train employees and contractors in emergency preparedness and response plans and procedures using Environmental Training, Awareness and Competence Procedure.
- Conduct refresher courses on emergency plans and procedures if the need arises.

Emergency Information Flow

- Immediately report all emergency situations/catastrophes to Portal Control using contact details provided in the Emergency Contact Details.
- Control shall activate the Emergency Response Team (through the Emergency Response Site Leader), HOD of the concerned department, the SHERQ Manager, and the Environmental Coordinator or SHERQ Official on standby.
- The Site Leader shall organize team members and resources depending on the nature of the catastrophe.
- The Site Leader & Emergency Coordinator shall direct the team in carrying out response operations and decide whether external assistance is required.

Emergency Scenarios

- Spillage or leakage of hazardous cargo.
- Fire or explosion during handling or transport.
- Vehicle accident involving hazardous cargo.
- Exposure of personnel to hazardous substances.
- Security breach or sabotage.

Response

Draft appropriate responses to each potential environmental emergency where none exist.

- Responses must be agreed by senior management and communicated to all personnel using the Communication procedure.

Response Plan must include:

a. Notification of appropriate company personnel using the notification and escalation process.
b. Notification of interested and affected outside parties.
c. Roles and responsibilities for each individual.
d. Evacuation procedures and response strategy.
e. Pollution clean-up (where applicable).

Potential Environmental Emergencies

No.	Potential Environmental Emergency	Place of Potential Occurrence
1	Flooding	Throughout site
2	Veldt Fires	Throughout site & may start in the local community
3	Sewerage Treatment Plant Failure	Sewerage Truck Depot #1 & #2
4	Truck Accidents	Along the hauling routes
5	Tailings Pipe Burst	Along the Tailings line
6	Emergency Spillage	During transportation of chemicals and explosives
7	Pollution Control Failure	Depots and border exit points
8	Bulk Diesel/Fuel Spillage	Along the road during transportation, during diesel delivery at the Diesel Storage Facility, within the Stores Oil Storage Yard
9	Bulk Process Reagents Spillage	Along the road during transportation, at the Reagents Storage area during offloading

Response Procedures

Scenario	Immediate Actions	Follow-Up Actions
Spillage / Leakage	Stop work, isolate area, use spill kits, notify supervisor	Contain spill, arrange safe disposal, report to authorities
Fire / Explosion	Raise alarm, evacuate, call fire services	Secure site, investigate cause, document incident
Vehicle Accident	Secure scene, notify emergency services, prevent public access	Transfer cargo safely, record incident, notify client
Exposure to Hazardous Substances	Move affected person to safe area, administer first aid, call medical services	Record exposure, investigate cause, review PPE compliance
Security Breach	Alert security, restrict access, notify authorities	Conduct investigation, strengthen controls

Resources & Equipment

- Spill kits and absorbents.
- Fire extinguishers and suppression systems.
- First aid kits and emergency medical contacts.
- PPE: respirators, gloves, goggles, protective suits.
- Emergency contact list (local fire, police, medical, environmental authority).

Safety Requirements for this Procedure

When responding to Environmental Emergencies, prioritise and observe applicable Health and Safety requirements before environmental response.

Identification and Analysis

- Identifying and analyzing Company’s Environmental risks (Threat Analysis) using the 5x5 standard Risk Matrix.
- Reviewing environmental incidents and accidents that occurred internally and other similar operations.

Contravention

Breach of this Procedure may lead to disciplinary / legal action.

Testing of Emergency Preparedness

- Test the effectiveness of the Emergency Preparedness and Response procedure using mock drills at least twice a year.
- When planning or carrying out mock drills, take care not to cause an actual environmental accident.

- During an actual emergency occurrence, emergency preparedness is also tested.
- Observe and measure actual response to the drill/actual emergency against the documented response in the procedure.
- Use results of the comparison to review adequacy and effectiveness of the procedure.
- Formulate, implement, and review action plans to address identified gaps.

Review of Emergency Plans and Procedures

- Review emergency preparedness plans and procedures:
    - After the occurrence of environmental accidents and/or emergency situations, as well as mock drills.
    - Every time there are changes in company policies and management programs.

- Following an audit, if non-conformities are raised around Emergency Preparedness.
- During Annual Management Review meetings.

Example of an Accident Report by Pitbull Hazmat Spill Response CC being used by Adcon:

PITBULL HAZMAT SPILL RESPONSE CC

MINISTRY OF ENVIRONMENT AND TOURISM

HAZARDOUS MATERIALS INCIDENT REPORT

INDEX

EMERGENCY CALL OUT

Emergency Call Out	Scheduled
ROAD (X)	BIO-REMEDIATION
RAILWAY	ASBESTOS
MARINE	UPLIFTMENT (X)
INDUSTRIAL	HP CLEANING
OTHER	TANK ENTRY

CONDITIONS OF ISSUE

No.	Condition
1	PPE will be issued at expense of the Company.
2	PPE remains the property of the Company and must be handed back on termination of service.
3	Loss or willful damage to PPE may result in disciplinary action being taken against the employee after an investigation.
4	I will immediately report if PPE issued to me is lost or damaged.
5	I will wear/use PPE issued to me where and whenever required to do so.
6	PPE may not be removed from the Company premises.
7	I understand that it is a legal requirement to wear PPE and that refusal to do so can lead to disciplinary procedures being instituted.
8	I have received comprehensive training on the use and limitations of PPE.

PPE ITEMS ISSUED

Item	Issued (✓/X)
Disposable Overall	
Cont. Suit Pants	
Cont. Suit Top	
Safety Goggles	
Hard Hat	
Safety Shoes	
Gum Boots	
Gloves	
Dust Mask	
Hearing Protection	
Respirator	

SAFETY INSPECTION CHECKLIST

Description	To Standard – YES	To Standard – NO
Safe access to work area – clean & tidy		
Sufficient / correct barricading erected		
Electrical equipment in good condition		
Machine guarding adequate		
All tools / equipment pre-inspected		
Safe access & egress available and used		
Scaffolding tagged accordingly		
Gas cutting equipment & hoses		
Correct P.P.E (Utilised & available)		
Safe working platforms for elevated work		
Safe Lifting & Rigging equipment		
SMI board up to date		
Correct PERMITS for application		
Permits valid		
Lock – Out required and in place		
Correct tools & equipment available		
No overhead work allowed		

OPERATIONS PROGRESS REPORT

Requirement	Details to Record
Instruction received from Client	Name, Surname, Contact number & Company Details
Reason for activity	Detailed description of why cleaning / transfer is required
Site activity description	Size of area cleaned, size of tank, vehicle / trailer registration details
People visiting the site	Name, Surname, Contact number & Company Details
Resources used	Quantity of consumables, additional resources hired, etc.

WASTE DETAILS

Category	Type	Expected Volumes
Physical Nature	SOLID	
Physical Nature	SLUDGE SOLID	
Physical Nature	SLUDGE LIQUID	
Physical Nature	LIQUID	BAGS
Transport / Storage		10KL SUPER SUCKER
Transport / Storage		20KL SUPER SUCKER

PITBULL HAZMAT SPILL RESPONSE CC

HazMat Remediation - Clean Technology MANAGEMENT

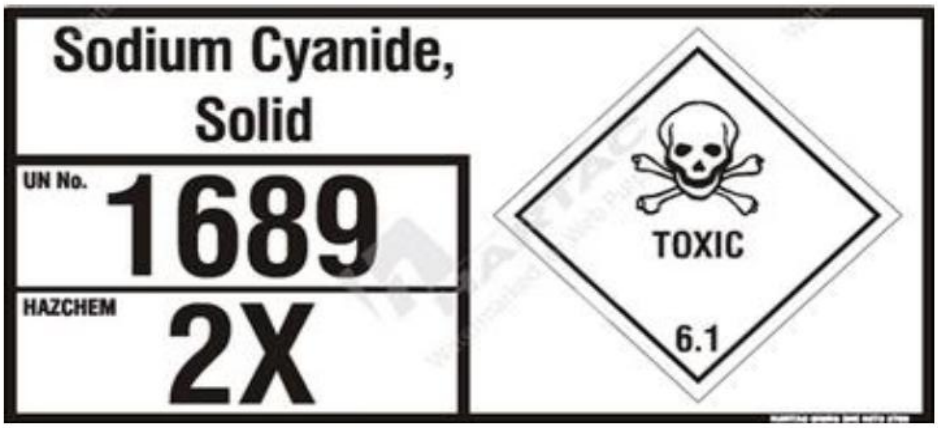
Introduction

This Guidance for Use of the Cyanide Transportation Verification Protocol ("Transportation Guidance") is issued by the International Cyanide Management Institute ("ICMI" or "the Institute") to assist cyanide transporters in understanding their obligations in implementing the International Cyanide Management Code ("Code", "the Code" or "the Cyanide Code"), and to aid Code auditors in their evaluation of Code compliance.

Compliance is evaluated against the Code's Transport Principles and Transport Standards of Practice (Transport Practices) using the Cyanide Transportation Verification Protocol. The questions in the Verification Protocol are based on the measures typically necessary to meet these Transport Principles and Transport Practices. In most cases, these measures are presented in broad terms and include multiple options to allow their flexible implementation for transport operations and routes that may extend thousands of kilometers and may involve not only road transport and management by consigners, but also transport by ships and rail, and management at ports.

Cyanide transporters must exercise professional judgment in determining the specific controls needed for their operation, and auditors must similarly exercise professional judgment to evaluate these operations for compliance with the Code. This Transportation Guidance places each Verification Protocol question in the appropriate context, describes the Code's expectations, identifies how various control measures can meet these expectations and advises operations and auditors on the factors to be considered when making these judgments. It provides a basis to evaluate alternatives to those measures typically employed to meet a Transport Practice for compliance with the Code. This Transportation Guidance also includes important information on the audit process and preparation and submission of audit reports.

Reporting:
Any spillage of more than 200 liters must be reported to the Ministry of Mines and Energy as per the Petroleum Products Act, says the Environmental Management Plan.
Enforcement:
The Minister of Mines and Energy has the power to take action against operators who fail to comply with regulations, according to the Legal Assistance Centre.
SANS standards:
Hydrocarbon pollution prevention is achieved by adhering to SANS 10089 standards regulating the petroleum industry in Namibia, states the Ministry of Environment, Forestry and Tourism.



PITBULL HAZMAT SPILL RESPONSE CC

HazMat Remediation - Clean Technology MANAGEMENT

1. Identification

Product identifier

Product Name SODIUM CYANIDE, TECHNICAL

Other means of identification

Product Code(s)

UN/ID no

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use No information available

Restrictions on use No information available

Details of the supplier of the safety data sheet

Emergency telephone number

Emergency Telephone

2. Hazard(s) identification

Classification

Acute toxicity - Oral	Category 1
Acute toxicity - Dermal	Category 2
Acute toxicity - Inhalation (Gases)	Category 2
Acute toxicity - Inhalation (Vapors)	Category 2
Acute toxicity - Inhalation (Dusts/Mists)	Category 1
Serious eye damage/eye irritation	Category 2A
Corrosive to metals	Category 1

Hazards not otherwise classified (HNOC)
Not applicable

Label elements
Danger

Hazard statements

Fatal if swallowed
Fatal in contact with skin
Fatal if inhaled
Causes serious eye irritation
May be corrosive to metals

Appearance granules Crystals Crystalline powder or Powder **Physical state** Solid **Odor** Almond-like

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not get in eyes, on skin, or on clothing
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear respiratory protection
Keep only in original container
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
Specific treatment (see .? on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of water and soap
Immediately call a POISON CENTER or doctor
Take off immediately all contaminated clothing and wash it before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Immediately call a POISON CENTER or doctor
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Rinse mouth
Absorb spillage to prevent material damage

Precautionary Statements - Storage
Store locked up.
Store in a well-ventilated place. Keep container tightly closed
Store in corrosive resistant/ .? container with a resistant inner liner

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Unknown acute toxicity

Other information
Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

3. Composition/information on ingredients

Substance

Chemical name	CAS No	Weight-%	Trade secret
Sodium Cyanide	143-33-9	100	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not breathe dust. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical advice/attention.
Skin contact	Get immediate medical advice/attention. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get immediate medical advice/attention.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not breathe dust. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Use personal protective equipment as required. See section 8 for more information.

Most important symptoms and effects, both acute and delayed

Symptoms	Coughing and/ or wheezing. Difficulty in breathing. May cause redness and tearing of the eyes. Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	No information available.
Hazardous combustion products	If it is involved in a fire the following can be released:. Hydrogen cyanide. Nitrogen oxides (NOx).
Explosion data	
Sensitivity to mechanical impact	none.
Sensitivity to static discharge	none.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid generation of dust. Do not breathe dust. Keep people away from and upwind of spill/leak.
Other information	Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse. Do not breathe dust. Avoid generation of dust. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

8. Exposure controls/personal protection

Control parameters

Exposure Limits	The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Appropriate engineering controls

Engineering controls	Showers Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Impervious clothing. Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General hygiene considerations	Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Do not breathe dust. Take off contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Solid
Appearance	granules Crystals Crystalline powder or Powder
Color	White
Odor	Almond-like
Odor threshold	No information available

Property	Values	Remarks - Method
pH	no data available	None known
Melting point / freezing point	563 °C / 1045.4 °F	None known
Boiling point / boiling range	no data available	None known
Flash point	no data available	None known
Evaporation rate	no data available	None known
Flammability (solid, gas)	no data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	no data available	None known
Relative density	1.6	None known
Water solubility	Soluble in water	None known
Solubility(ies)	Soluble in ammonia	None known
Partition coefficient	No data available	None known
Autoignition temperature	no data available	None known
Decomposition temperature		None known
Kinematic viscosity	no data available	None known
Dynamic viscosity	No data available	None known

Other information

Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Exposure to air or moisture over prolonged periods. Excessive heat.
Incompatible materials	Oxidizing agent. Acids.
Hazardous decomposition products	Hydrogen cyanide.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. Fatal if inhaled. (based on components). May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. Fatal in contact with skin. (based on components). May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	Specific test data for the substance or mixture is not available. Fatal if swallowed. (based on components). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Coughing and/ or wheezing. Difficulty in breathing. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Cyanide 143-33-9	= 5.733 mg/kg (Rat)	= 10.4 mg/kg (Rabbit)	= 0.16 mg/L (Rat) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.
Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.
Respiratory or skin sensitization No information available.
Germ cell mutagenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target organ effects Eyes, Skin, central nervous system, blood, Central Vascular System (CVS), Thyroid.

Aspiration hazard No information available.

Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Cyanide 143-33-9	-	LC50: 0.0391 - 0.0548mg/L (96h, Oncorhynchus mykiss) LC50: 0.0558 - 0.0586mg/L (96h, Oncorhynchus mykiss) LC50: 0.066 - 0.0852mg/L (96h, Lepomis macrochirus) LC50: 0.0712 - 0.0936mg/L (96h, Pimephales promelas) LC50: =0.15mg/L (96h, Lepomis macrochirus) LC50: =0.17mg/L (96h, Pimephales promelas)	-	EC50: =0.17mg/L (96h, Gammarus pseudolimnaeus)

Persistence and degradability No information available.
Bioaccumulation Inherently biodegradable.

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT

UN/ID no	UN1689
Proper Shipping Name:	Sodium cyanide, solid
Hazard class	6.1
Packing group:	I
Special Provisions	B69, B77, IB7, N74, N75, T6, TP33, W31
Description:	UN1689, Sodium cyanide, solid, 6.1, I, Marine pollutant

TDG

UN-No:	UN1689
Proper Shipping Name:	Sodium cyanide, solid
Hazard class	6.1
Packing Group:	I
Description:	UN1689, Sodium cyanide, solid, 6.1, I

MEX

UN-No	UN1689
Proper Shipping Name	Sodium cyanide, solid
Hazard class	6.1
Packing Group	I
Description	UN1689, Sodium cyanide, solid, 6.1, I

ICAO (air)

UN-No:	UN1689
Proper Shipping Name:	Sodium cyanide, solid
Hazard class	6.1
Packing Group:	I
Description:	UN1689, Sodium cyanide, solid, 6.1, I

IATA

UN number	UN1689
Proper Shipping Name:	Sodium cyanide, solid
Transport hazard class(es)	6.1
Packing group	I
ERG Code	6L
Description:	UN1689, Sodium cyanide, solid, 6.1, I

IMDG

UN number	UN1689
Proper shipping name	Sodium cyanide, solid
Transport hazard class(es)	6.1
Packing group	I
EmS-No	F-A, S-A
Marine pollutant	P
Description	UN1689, Sodium cyanide, solid, 6.1, I, Marine pollutant

RID

UN number	UN1689
Proper Shipping Name:	SODIUM CYANIDE, SOLID
Transport hazard class(es)	6.1
Packing group	I
Classification code	T5
Description:	UN1689, SODIUM CYANIDE, SOLID, 6.1, I, ENVIRONMENTALLY HAZARDOUS
Labels	6.1

ADR

UN number	UN1689
Proper Shipping Name:	Sodium cyanide, solid
Transport hazard class(es)	6.1
Packing group	I
Classification code	T5
Tunnel restriction code	(C/E)
Description:	UN1689, Sodium cyanide, solid, 6.1, I, (C/E), ENVIRONMENTALLY HAZARDOUS
Labels	6.1

ADN

UN/ID No	UN1689
Proper shipping name	Sodium cyanide, solid
Transport hazard class(es)	6.1
Packing Group	I
Classification code	T5
Special Provisions	802
Description	UN1689, Sodium cyanide, solid, 6.1, I, ENVIRONMENTALLY HAZARDOUS
Hazard label(s)	6.1
Equipment Requirements	PP, EP

15. Regulatory information

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	This product complies with ENCS:
IECSC	This product complies with China:
KECL	Complies
PICCS	Complies
AICS	All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

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

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Sodium Cyanide - 143-33-9	1.0

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium Cyanide 143-33-9	10 lb final RQ 4.54 kg final RQ	-

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:.

Chemical name	California Proposition 65
Sodium Cyanide - 143-33-9	male reproductive toxicity

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium Cyanide 143-33-9	1693	Present	Environmental hazard

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA
Health hazards 4
Flammability 0
Instability 0

Physical and chemical properties -
HMIS
Health hazards 4
Flammability 0
Physical hazards 0
Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet
Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value		

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date
Revision Note
Disclaimer
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End of Safety Data Sheet