SAFETY DATA SHEET



2,2-DIBROMO-3-NITRILOPROPIONAMIDE

SECTION 1: Identification of the substance/mixture and of the company/undertaking Trade name:

1.1 Product identifier:	
CAS Number:	10222-01-2
EC number:	233-539-7
1.2 SYNONYMS:	 2,2-Dibromo-3-cyano-propionamide 2,2-Dibromo-3-aminopropionitrile N-(2,2-Dibromo-3-cyano-propyl)amide

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:	Classification according to Regulation (EC) No 1272/2008 The substance is classified according to the CLP regulation.
2.2 Label elements:	Labelling according to Regulation (EC) No 1272/2008 Acute toxicity, Oral (Category 3) Acute toxicity, Inhalation (Category 2) Skin irritation (Category 2) Serious eye damage (Category 1) Skin sensitization (Category 1) Specific target organ toxicity - repeated exposure, respiratory tract
YOUR CHEM	(Category 1) Short-term (acute) aquatic hazard (Category 1) Long-term (chronic) aquatic hazard (Category 1)
Hazard Pictograms:	
Signal Word:	Danger



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Hazard statements:	H301: Toxic if swallowed. H315: Causes skin irritation.
	H317: May cause an allergic skin
	reaction.
	H318: Causes serious eye damage.
	H330: Fatal if inhaled.
	H372: Causes damage to organs
	(Respiratory Tract) through
	prolonged or repeated exposure if inhaled.
	H410: Very toxic to aquatic life with
	long lasting effects.
Precautionary Statements:	P273: Avoid release to the
	environment.
	P280: Wear protective gloves/ eye
	protection/ face protection.
	P302 + P352: IF ON SKIN: Wash with
	plenty of water.
	P304 + P340 + P310: IF INHALED:
	Remove person to fresh air and
	keep comfortable for breathing.
	Immediately call a POISON CENTER/
	doctor.
	P305 + P351 + P338: IF IN EYES:
	Rinse cautiously with water for
	several minutes. Remove contact
	lenses, if present and easy to do.
	Continue rinsing.
	P314: Get medical advice/ attention
	if you feel unwell.
	P405: Store locked up.
	P501: Dispose of contents/ container
2.7.04b av baravda.	to an approved waste disposal plant.
2.3 Other hazards:	I U A L P A K I N E F
Inhalation:	may cause respiratory irritation,
	coughing, or difficulty breathing,
	and prolonged exposure could lead
	and prolonged exposure could lead to more severe respiratory issues.
Ingestion:	and prolonged exposure could lead to more severe respiratory issues. may cause nausea, vomiting,
	and prolonged exposure could lead to more severe respiratory issues.



	systemic effects if ingested in large amounts.
Skin Contact:	may cause irritation, redness, or dermatitis, and prolonged exposure could lead to more severe skin reactions
Eye contact:	may cause irritation, redness, tearing, or pain, and prolonged exposure could lead to more serious eye damage.
Chronic Exposure:	may lead to long-term health effects such as respiratory issues, skin sensitization, or potential damage to internal organs, depending on the level and duration of exposure.
Aggravation of pre-existing conditions:	Aggravation of pre-existing conditions such as respiratory disorders (e.g., asthma), skin conditions (e.g., eczema), or liver/kidney disease may occur with exposure to 2,2-Dibromo-3-nitrilopropionamide.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation:	Substances
CAS No:	Description: 10222-01-2
	2,2-DIBROMO-3-
	NITRILOPROPIONAMIDE
Identification number(s):	EC number: 233-539-7

SECTION 4: First aid measures

4.1 Description of first aid	
measures	
General information:	
After inhalation:	If breathed in, move person into
	fresh air. If not breathing, give
	artificial respiration. Consult a
	physician.



After skin contact: After eye contact:	Remove contaminated clothing immediately .Wash with plenty of water. Consult a physician. Immediately flush eyes with plenty of water for at least 15 minutes. consult a physician.
After swallowing:	Rinse mouth with water. Immediately after ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed:	The most important symptoms include respiratory irritation, skin and eye irritation, nausea, and abdominal pain, with potential delayed effects such as long-term respiratory issues or organ damage with chronic exposure.
4.3 Indication of any immediate medical attention and special treatment needed:	Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media:	Carbon dioxide foam dry powder
5.2 Special hazards arising from	Carbon oxides, nitrogen oxides,
the substance or mixture:	hydrogen bromide.
5.3 Advice for firefighters:	Wear fully protective suit, safety
	glasses and respiratory device. Cool
VOLID CHEMI	tanks/drums with water
YUUN GREWI	spray/remove them into safety.
5.4 further information:	no data available



SECTION 6: Accidental release measures

6.1 Personal precautions,	Use personal protective
<u> </u>	·
protective equipment and	equipment.
emergency procedures:	Avoid breathing vapors, mist or
	gas. Ensure adequate ventilation.
	Remove all sources of ignition.
— ECTD	Evacuate personnel to safe areas.
E911	Beware of vapours accumulating
	to form explosive concentrations.
	Avoid dust accumulation. Seek
	medical attention.
6.2 Environmental precautions:	Do not enter this chemical into
	drains.
6.3 Methods and material for	Take up spill into absorbent
containment and cleaning up:	material, e.g.: sand, earth,
	vermiculite, powdered limestone.
	Scoop absorbed substance into
	closing containers. Spill must not
	return in its original container.
	Clean contaminated surfaces with
	an excess of water. Wash clothing
	and equipment after handling
	and equipment after nationing

SECTION 7: Handling and storage

7.1 Precautions for safe handling:	For use in are with adequate
	ventilation.
	Empty containers pose a fire risk,
	evaporate the residue under a
	fume hood. Ground all equipment
	containing material
	Do not use in confined spaces.
VOUD CHEMI	Electrostatic discharge protection.
YUUR GHEMI	Minimize dust generation and
10011 01121111	accumulation. Avoid ingestion and
	inhalation.
7.2 Conditions for safe storage,	Store in original containers.
including any incompatibilities:	Keep containers securely sealed
	Store in a cool, dry, well-ventilated
	area. Store away from incompatible
	materials and foodstuff containers.



	Protect containers against physical
	damage and check regularly for
	leaks. Store in a dry and dark area.
	Keep away from moisture.
Requirements to be met by	Keep container tightly closed in a
storerooms and receptacles:	dry and well-ventilated place.
ESTI	Containers which are opened must
LOIL	be carefully resealed and kept
	upright to prevent leakage.
7.3 Specific end uses:	no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	
Additional information about	A system of local and general
design of technical facilities:	exhaust is recommended.
8.2 Exposure controls	
Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety
	practice. Wash hands before breaks and at the end of workday.
Personal protective equipment:	Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc.
General protective and hygienic measures:	Eyes, body and hand protection, maintain indoor air unobstructed. Wear protective equipment.
	Respiratory protection: Required.
YOUR CHEMI	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.
	Eye protection: Required



Protection of Body:	Complete suit protecting against
	chemicals, Flame retardant
	antistatic protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical	.1370
and chemical properties	
General Information	
Appearance: Form:	Crystalline or Powder
Colour:	Whiteb to light yellow
Odour:	Odourless or mild
pH-value:	7
Melting point/Melting range:	120°C
Boiling point/Boiling range:	Not determined
Flammability (solid, gaseous):	Flammable under certain
	conditions
Ignition temperature:	No data available
Decomposition temperature:	250°C
Self-igniting:	None
Flash point:	Not determined
Danger of explosion:	None
Explosion limits: Lower:	No data available
Explosion limits: Upper:	No data available
Vapour pressure:	No data available
Density at 20 °C:	No data available
Relative density:	No data available
Vapour density:	No data available
Evaporation rate:	No data available
Solubility in / Miscibility with-	low Soluble
·water at 20 °C:	
Partition coefficient:(n-	No data available
octanol/water)	UAL FANINLI
Viscosity:	No data available



SECTION 10: Stability and reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	This chemical is stable under
	storage conditions.
10.3 Possibility of hazardous	Can undergo reactions with strong
reactions	acids, bases, and oxidizers.
10.4 Conditions to avoid	High temperatures, direct sunlight,
	moisture.
10.5 Incompatible materials	Strong acids, strong bases, strong
	oxidizers.
10.6 Hazardous decomposition	Carbon oxides, nitrogen oxides,
products	hydrogen bromide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity:	LD50 (Oral, Rat): 308 mg/kg
	LD50 (Dermal, Rabbit): 118 mg/kg
	LC50 (Inhalation Rat): 0.275 mg/l (4
	hr)
Skin corrosion/Irritation:	Can cause skin irritation
Serious eye damage/irritation:	Causes serious eye damage
Respiratory damage/irritation:	Can cause respiratory irritation.
Ingestion:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Specific target organ toxicity -	No data available
single exposure:	
Specific target organ toxicity -	Can cause serious damage to
repeated exposure:	respiratory tract.
Aspiration hazard:	No data available
Signs and Symptoms of Exposure:	Refer section 2.3
11.2 Additional toxicological	
information	
Biodegradability:	Not Biodegradable



SECTION 12: Ecological information

12.1 Toxicity	LC50(fish): 3.4 mg/l (96hr)
Aquatic toxicity:	EC50(daphnia): 0.48 mg/l (48 hr)
	ErC50(algae): 2.3 mg/l (72 hr)
12.2 Persistence and	Not Biodegradable
degradability:	
12.3 Bioaccumulative potential:	low bioaccumulative
12.4 Mobility in soil:	No mobility
12.5 Other adverse effects:	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Uncleaned packaging	dispose of in accordance with local
Recommendation:	hazardous waste regulations
Recommended cleansing agents:	Water and soap, water, isopropyl
	alcohol, diluted bleach solution.

SECTION 14: Transport information

14.1 UN-Number · ADR, ADN,	2811
IMDG, IATA:	
14.2 UN proper shipping name ·	2,2-DIBROMO-3-
ADR, ADN, IMDG, IATA:	NITRILOPROPIONAMIDE
14.3 Transport hazard class(es) ·	6.1
ADR, ADN, IMDG, IATA :	
14.4 Packing group · ADR, IMDG,	2
IATA:	
14.5 Environmental hazards:	Yes, harmful to aquatic life.
14.6 Special precautions for user:	Handle responsibly.

SECTION 15: Regulatory information

15.1 Safety, health and	Directive 2012/18/EU, under that
environmental	this substance is classified in listed
regulations/legislation specific	substances as acute toxicity
for the substance or mixture	substances
Directive 2012/18/EU	



Named dangerous substances:	This substance is not listed in the
	annex 1 to the directive.
15.2 Chemical safety assessment:	Chemical assessment has not been
	carried out.

SECTION 16: Other information

The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and limitations of our knowledge, this document is only for reference. Users should make their independent judgment suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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