SAFETY DATA SHEET



N,N DIMETHYLACETAMIDE

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

1.1 Product identifier:	
CAS Number:	127-19-5
EC number:	204-826-4
1.2 SYNONYMS:	DimethylacetamideN,N-Dimethylmethanamide
	 N,N-Dimethylacetamide (DMA)
	Dimethyl acetamide
	DMAc
	Acetamide, N,N-dimethyl-

SECTION 2: Hazards identification:

2.1 Classification of the	Classification according to
substance or mixture:	Regulation (EC) No 1272/2008 The
	substance is classified according to
	the CLP regulation.
	3
2.2 Label elements:	Labelling according to Regulation
	(EC) No 1272/2008
	Acute toxicity, inhalation (Category
	4)
	Acute toxicity, oral (Category 4)
	Acute toxicity, dermal (Category 4)
	Reproductive toxicity (Category 1B)
Hazard Pictograms:	^ ^ ^
3	
	\•/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Signal Word:	Danger
Hazard statements:	H302: Harmful if swallowed.
nazaru statements.	
	H312: Harmful in contact with skin.
	H332: Harmful if inhaled.
	H319: Causes serious eye irritation.
	H373: May cause damage to organs
	through prolonged or repeated
	exposure.



Precautionary Statements:	P202: Do not handle until all safety
	precautions have been read and
	understood.
	P260: Do not breathe
	dust/fume/gas/mist/vapors/spray.
	P261: Avoid breathing
ESTI	dust/fume/gas/mist/vapors/spray.
LOIL	P264: Wash hands thoroughly after
	handling.
	P270: Do not eat, drink, or smoke
	when using this product.
	P280: Wear protective
	gloves/protective clothing/eye
	protection/face protection
	P301 + P312: IF SWALLOWED: Call a
	POISON CENTER or doctor if you
	feel unwell.
	P302 + P352: IF ON SKIN: Wash with
	plenty of water. P304 + P340: IF INHALED: Remove
	person to fresh air and keep
	comfortable for breathing.
	P305 + P351 + P338: IF IN EYES:
	Rinse cautiously with water for
	several minutes. Remove contact
	lenses if present and easy to do.
	Continue rinsing.
	P312: Call a POISON CENTER or
	doctor if you feel unwell.
	P403: Store in a well-ventilated
	place.
	P405: Store locked up.
VOUD CHEMI	P501: Dispose of contents/container
YOUR CHEMI	in accordance with local/regional/
27.014	national/international regulations
2.3 Other hazards:	
Inhalation:	can cause respiratory irritation,
	dizziness, headaches, and potentially damage to the lungs
	with prolonged or repeated
	exposure.
	скрозите.



Ingestion:	can cause harm to internal organs, nausea, vomiting, and abdominal pain, and may lead to more severe health effects if swallowed in large amounts.
Skin Contact:	can cause irritation, redness, and dryness, and prolonged exposure may lead to more severe skin damage or absorption, potentially affecting internal organs.
Eye contact:	can cause severe irritation, redness, pain, and potential damage to the cornea, leading to long-term vision issues if not properly treated.
Chronic Exposure:	may lead to liver and kidney damage, nervous system effects, and respiratory issues, as well as an increased risk of developing other long-term health problems with
Aggravation of pre-existing conditions:	repeated or prolonged contact. may aggravate pre-existing conditions such as liver or kidney disease, respiratory disorders, and skin conditions, as it can be toxic to these organs and systems.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation:	Substances
CAS No:	Description: 127-19-5 N,N DIMETHYLACETAMIDE
Identification number(s):	EC number: 204-826-4
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SECTION 4: First aid measures

/ 1 Description of first aid	
4.1 Description of first aid measures	
lileasures	
General information:	
After inhalation:	If breathed in, move person into
Arter minaration.	fresh air. If not breathing, give
	0.0
LOID	artificial respiration. Consult a
	physician.
After skin contact:	Remove contaminated clothing.
	Wash with soap and water. Consult
	a physician.
After eye contact:	Immediately flush eyes with plenty
	of water for at least 15 minutes.
	consult a physician.
After swallowing:	Rinse mouth with water
Arter swanowing.	Immediately and drink 200-300 ml
	of water after ingestion. Never give
	anything by mouth to an
	unconscious person. Do not
	induce vomiting. Consult a
(2 Martiner autom) = 100	physician.
4.2 Most important symptoms	The most important symptoms
and effects, both acute and	include acute respiratory irritation,
delayed:	skin and eye irritation, nausea,
	dizziness, and, with prolonged
	exposure, liver and kidney damage,
	along with potential neurological
	effects.
4.3 Indication of any immediate	Treat symptomatically.
medical attention and special	
treatment needed:	

SECTION 5: Firefighting measures

cohol-resistant foam.
n release nitrogen oxides when ated to decomposition.



5.3 Advice for firefighters:	Wear fully protective suit, safety
	glasses and respiratory device. Cool
	tanks/drums with water
	spray/remove them into safety.
5.4 further information:	no data available

SECTION 6: Accidental release measures

6.1 Personal precautions,	Use personal protective
protective equipment and	equipment.
emergency procedures:	Avoid breathing vapors, mist or
	gas. Ensure adequate ventilation.
	Remove all sources of ignition.
	Evacuate personnel to safe areas.
	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 namaling.

SECTION 7: Handling and storage

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.



	Electrostatic discharge protection. Minimize dust generation and accumulation. Avoid ingestion and inhalation. Heated containers should be cooled to prevent polymerization.
7.2 Conditions for safe storage, including any incompatibilities:	Store in original containers. 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.
Requirements to be met by storerooms and receptacles:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must 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 design of technical facilities:	A system of local and general 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.



Protection of hands:	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	
and chemical properties	
General Information	
Appearance: Form:	Liquid
Colour:	Colourless
Odour:	Ammonia-like
pH-value:	Not determined
Melting point/Melting range:	-20°C
Boiling point/Boiling range:	165°C
Flammability (solid, gaseous):	No data available
Ignition temperature:	370°C
Decomposition temperature:	200°C
Self-igniting:	None
Flash point:	56°C
Danger of explosion:	None
Explosion limits: Lower:	Not applicable
Explosion limits: Upper:	Not applicable
Vapour pressure:	0.34 hPa at 20°C
Density at 20 °C:	0.94 g/cm ³
Relative density:	0.94
Vapour density:	3.1
Evaporation rate:	Not determined



Solubility in / Miscibility with- water at 20 °C:	highly soluble
Partition coefficient:(n- octanol/water)	0.68
Viscosity:	1.1 mPa.s at 25°C

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	Hazardous polymerization may
reactions	occur if methyl acrylate is exposed
	to high temperatures, light, or
	incompatible materials.
10.4 Conditions to avoid	can react with strong oxidizing
	agents (such as peroxides), acids,
	and strong bases, potentially
	leading to the release of heat and
	other hazardous by-products.
10.5 Incompatible materials	Strong oxidizing agents, Strong
	acids and bases.
10.6 Hazardous decomposition	nitrogen oxides, carbon monoxide.
products	

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity:	LD50 (Oral, Rat): 5830 mg/kg LD50 (Dermal, Rabbit): 2100 mg/kg LC50 (Inhalation Rat): 2.2 mg/l (4hr)
Skin corrosion/Irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory damage/irritation:	No data available
Ingestion:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available



Reproductive toxicity:	May damage the unborn child.
Specific target organ toxicity -	No data available
single exposure:	
Specific target organ toxicity -	No data available
repeated exposure:	
Aspiration hazard:	No data available
Signs and Symptoms of Exposure:	Refer section 2.3
11.2 Additional toxicological	
information	
Biodegradability:	moderately Biodegradable

SECTION 12: Ecological information

12.1 Toxicity	LC50(fish): 200 mg/l (96 hr)
Aquatic toxicity:	EC50(daphnia): 500 mg/l (48 hr)
	EC50(algae): 100 mg/l (72 hr)
12.2 Persistence and	Moderately Biodegradable
degradability:	
12.3 Bioaccumulative potential:	low bioaccumulative
12.4 Mobility in soil:	Moderate 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:	Soapy water, acetone or
	isopropanol, commercial cleaning
	agents, sand, vermiculite.

SECTION 14: Transport information

14.1 UN-Number · ADR, ADN,	2265
IMDG, IATA:	
14.2 UN proper shipping name ·	DIMETHYLACETAMIDE
ADR, ADN, IMDG, IATA:	



14.3 Transport hazard class(es) ·	3
ADR, ADN, IMDG, IATA :	
14.4 Packing group · ADR, IMDG,	3
IATA:	
14.5 Environmental hazards:	Not applicable
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 not classified in
regulations/legislation specific	listed substance.
for the substance or mixture 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 been
	carried out under REACH
	regulation.

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 the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of 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.