## CAS-No.: 540-69-2 MSDS



## MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: Identification of the substance/mixture and of the company/undert	akina
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1.1.	Product identifier		
Product	form	:	Substance
		:	
CAS-No	).	:	540-69-2
Product	code	:	01210

1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec

: Industrial For professional use only

#### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

SPAN LAB UNIT NO. 14,SKY INDUSTRIAL ESTATE,WALIV, VASAI (E) 401208 Mumbai - INDIA PH: +91 9820509929 info@spanlab.in www.spanlab.in

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye H319 irritation, Category 2 Skin corrosion/irritation, H315 Category 2 Specific target organ H335 toxicity — Single exposure, Category 3, Respiratory tract irritation

Full text of H statements : see section 16

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Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R36 Xi; R37 Xi; R38 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements	
Labelling according to Regulation (EC) N	lo. 1272/2008 [CLP]
Hazard pictograms (CLP)	GHS07
Signal word (CLP)	: Warning
Hazard statements (CLP)	<ul> <li>H315 - Causes skin irritation.</li> <li>H319 - Causes serious eye irritation.</li> <li>H335 - May cause respiratory irritation.</li> </ul>
Precautionary statements (CLP)	: P261 - Avoid breathing vapours, dust, fume, gas. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### 2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients		
3.1.	Substances	
Name		: AMMONIUM FORMATE AR
CAS-No	0.	: 540-69-2

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	3
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: Wash with plenty of water/ Wash contaminated clothing before reuse. Get medical advice/attention.

## Safety Data Sheet

First-aic	l measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aic	I measures after ingestion	: Rinse mouth. Do not induce vomiting.
4.2.	Most important symptoms and e	ffects, both acute and delayed
Sympto	ms/effects after inhalation	: May cause respiratory irritation.
Sympto	ms/effects after skin contact	: Causes skin irritation.
Sympto	ms/effects after eye contact	: Causes serious eye irritation.
4.3.		lical attention and special treatment needed
Treat sy	/mptomatically.	
SECTIO	ON 5: Firefighting measures	
5.1.	Extinguishing media	
Suitable	e extinguishing media	: Carbon dioxide. Dry powder. Foam. Water spray.
Unsuita	ble extinguishing media	: Do not use a heavy water stream.
5.2.	Special hazards arising from the	substance or mixture
No addi	tional information available	
5.3.	Advice for firefighters	
Protecti	on during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTIO	ON 6: Accidental release measures	6
6.1.	Personal precautions, protective	equipment and emergency procedures
6.1.1.	For non-emergency personnel	
	ency procedures	: Evacuate unnecessary personnel.
6.1.2.	For emergency responders	
Protecti	ve equipment	: Equip cleanup crew with proper protection.
6.2.	Environmental precautions	
Avoid re	elease to the environment.	
6.3.	Methods and material for contain	nment and cleaning up
Method	s for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Minimise generation of dust.
6.4.	Reference to other sections	
No addi	itional information available	
SECTIO	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
Precaut	ions for safe handling	: Avoid contact with skin and eyes. Use only outdoors or in a well-ventilated area. Do not breathe vapours.
Hygiene	e measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2.	Conditions for safe storage, incl	uding any incompatibilities
Storage	conditions	: Keep container tightly closed. Store in a well-ventilated place.
7.3.	Specific end use(s)	
No addi	itional information available	

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

Hand protection:Protective glovesEye protection:Chemical goggles or safety glassesSkin and body protection:In case of inadequate ventilation] were respiratory protection.SETEON'S: Physical and chemical propertiesPhysical state:SolidColour:SolidColour:SolidColour:SolidOdour threshold:SolidOdour threshold:No data availablepil::No data availablepil::No data availablePoly pilot::No data availablePilot pilot::No data availableBeling point::No data availablePilot pilot:No data availablePilot pilot:No data availablePilot pilot:No data availablePilot pilot:No data availablePilot pilot threperature:No data availablePilot pilot pilot threperature:No data availablePilot pilot pilot p	8.2. Exposure controls	
Skin and body protection       : Wear suitable protective clothing         Respiratory protection       : [In case of inadequate ventilation] wear respiratory protection.         SECTION 9: Physical and chemical properties         9.1. Information on basic physical and chemical properties         Physical state       : Solid         Molecular mass       : 63.06 g/mol         Colour       : Colorless crystals.         Odour       : slight formic acid odour.         Odour threshold       : No data available         pH       : 6 - 7         Relative evaporation rate (butylacetate=1)       : No data available         Melting point       : 119 - 121 °C         Freezing point       : No data available         Boiling point       : No data available         Plato-ignition temperature       : No data available         Relative vapou	Hand protection	: Protective gloves
Respiratory protection       : [In case of inadequate ventilation] wear respiratory protection.         SECTION 9: Physical and chemical properties         Physical state       : Solid         Molacular mass       : 63.06 g/mol         Colour       : Solid         Molacular mass       : 63.06 g/mol         Colour       : Solid         Odour       : slight formic acid odour.         Odour threshold       : No data available         pH       : 6 - 7         Relative evaporation rate (butylacetate=1)       : No data available         Metting point       : 119 - 121 °C         Freezing point       : No data available         Boiling point       : No data available         Auto-ignition temperature       : No data available         Planmability (solid, gas)       : No data available         Planmability (solid, gas)       : No data available         Relative vapour density at 20 °C       : No data available         Relative vapour density       : No data available         Relative density       : No data available         Relative vapour density at 20 °C       : No data available         Relative vapour density at 20 °C       : No data available         Relative density       : No data available         R	Eye protection	: Chemical goggles or safety glasses
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.Relative evaporation rate (butylacetate=1): No data availableMelting point: 19 - 121 °CFreezing point: No data availableBoiling point: No data availableFlash point: No data availableAuto-ignition temperature: No data availableDecomposition temperature: No data availableFlammability (solid, gas): No data availableVapour pressure: No data availableRelative vapour density at 20 °C: No data availableDensity: No data availableDensity: 1.28 g/cm³Solubility: No data availableLog Pow: No	Odour threshold	: No data available
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Viscosity, kinematic : No data available	-	-
	Log Pow	: No data available
Viacasity dynamia	Viscosity, kinematic	: No data available
viscosity, dynamic : No data available	Viscosity, dynamic	: No data available

# AMMONIUM FORMATE AR Safety Data Sheet

Safety Data Sheet	
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	у
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable under normal conditions.	
<b>10.3. Possibility of hazardous re</b> No additional information available	actions
10.4. Conditions to avoid	
Direct sunlight. Moisture. Air contact.	
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition	nroducto
No additional information available	products
SECTION 11: Toxicological informa	tion
11.1. Information on toxicologica	al effects
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation. pH: 6 - 7
Serious eye damage/irritation	: Causes serious eye irritation.
	pH: 6 - 7
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

Safaty Data Shoot

Salety Data Sheet	
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 asse	ssment
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
No additional information available	
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IA	TA / ADN
14.1. UN number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable

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ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
	Alet englische
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

#### 14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport No data available

- Inland waterway transport

No data available

- Rail transport

No data available

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 AMMONIUM FORMATE AR is not on the REACH Candidate List AMMONIUM FORMATE AR is not on the REACH Annex XIV List

#### 15.1.2. National regulations

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#### Germany

Reference to AwSV	:	Water hazard class (WGK) 1, low hazard to water (Classification according to AwSV; ID No. 7573)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	:	Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)
Netherlands		
SZW-lijst van kankerverwekkende stoffen	:	The substance is not listed
SZW-lijst van mutagene stoffen	:	The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	The substance is not listed
Denmark		
Recommendations Danish Regulation	:	Young people below the age of 18 years are not allowed to use the product

#### 15.2. Chemical safety assessment

No additional information available

**SECTION 16: Other information** 

#### Full text of R-, H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
Xi	Irritant

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