

Safety Data Sheet



Product name:

Ionex Type AG400

Safety Data Ref: 46
Initial issue date: 07 January 2016
Revision date:
Version number: 1

1 IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY		
1.1	Product identifier	Ionex Type AG400
1.2	Relevant use(s)/misuse(s)	Adsorbent
1.3	SDS supplier	Molecular Products Ltd, Parkway, Harlow Business Park, Harlow, Essex, CM19 5FR, UK
1.4	Emergency contact (global)	+44 (0)1279 445111 (office hours) / +44 (0)1865 407333 (24 hour emergency number, English speaking) trevor@rising-hsande.co.uk (competent person email)
	Emergency contact (other)	China +86 512 8090 3042, China (NRCC): +86 532 8388 9090, Mexico: +52 555 004 8763, Chile: +56 225 829 336, Brazil: +55 11 3197 5891

2 HAZARDS IDENTIFICATION			
2.1	Classification of the substance or mixture		
2.1.1	Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)	Not classified	
2.2	Labelling elements		
2.2.1	Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)		
	Pictogram	None	Signal word None
	Hazard statements	None	
	Precautionary statements	None	
2.3	Other hazards		
	The product has a Workplace Exposure Limit (WEL)		

3 COMPOSITION / INFORMATION ON INGREDIENTS					
	Chemical characterisation	Silver Zeolite			
	Chemical name	CAS-No	EINECS/ELINCS	Classification	Concentration
	Silver-exchange Zeolite	130328-18-6	Not assigned	CLP: Not classified	> 96%

4 FIRST AID MEASURES		
4.1	Description of measures	
	Inhalation	Remove casualty to fresh air. If necessary, seek medical advice
	Skin contact	Clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice
	Eye contact	Wash out eye thoroughly with plenty of water until irritation subsides; if necessary consult an eye specialist/ophthalmologist
	Ingestion	If product is swallowed, do NOT induce vomiting. Drink plenty of water; if necessary, seek medical advice
4.2	Most important effects/symptoms	None known
4.3	Immediate/special treatment	Treat Symptomatically

5 FIRE FIGHTING MEASURES		
5.1	Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder)
5.2	Special hazards	Inhalation of decomposition products may be harmful Avoid release of firefighting water to environment
5.3	Advice for fire fighters	Water plus silver zeolites can cause water to boil. Non-flammable Use water stream to cool containers. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe

6 ACCIDENTAL RELEASE MEASURES		
6.1	Personal precautions	Adhere to personal protective measures. Avoid inhalation of dust
6.2	Environmental precautions	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once
6.3	Methods and materials for cleaning up	Use only non-sparking tools. Take up with sand, earth or other non-combustible absorbent material. Collect spills and put it into appropriate container. Avoid dust production
6.4	Reference to other sections	See section 8 for personal protective equipment

7 HANDLING AND STORAGE	
7.1	Precautions for safe handling Handle in accordance with good hygiene and safety practice. Keep away from incompatible materials. Avoid build-up of static charge in handling equipment. Avoid breathing dust
7.2	Conditions for safe storage Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry
7.3	Specific end use(s) As an adsorbent

8 EXPOSURE CONTROLS / PERSONAL PROTECTION	
8.1 Workplace Exposure Limits (WELs) have been assigned by the HSE (EH40/2011)	
TWA (8 hours)	ppm 10 mg/m ³ Dust (inhalable)
TWA (8 hours)	ppm 4 mg/m ³ Dust (respirable)
8.2 Exposure controls	
Engineering controls	Provide adequate ventilation (e.g. local exhaust ventilation)
Personal protection	Observe normal standards for handling chemicals Wash hands before breaks and after work. Avoid raising dust Wear personal protective equipment appropriate to the task (see below)
Eye protection	Chemical goggles or safety glasses with side shields.
Skin protection	Rubber gloves (consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	NIOSH Approved dust respirator if conditions are dusty
Other protection	Protective overalls

9 PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Basic physical and chemical properties	
Physical form	Granular solid (1-2 mm) Colour Yellow / beige
Odour	Odourless pH Not applicable
Boiling pt/range	Not determined Melting pt/range >500°C
Flash point	Not applicable Relative density 0.85 – 1.0
Water solubility	Insoluble Odour threshold Not determined
Evaporation rate	Not applicable Flammability Not applicable
Explosion limits	Not applicable Vapour pressure Not applicable
Vapour pressure	Not applicable Partition coeff. LogPoct/water Not applicable
Auto-ignition temperature	Not applicable Viscosity Not applicable
Explosive properties	Not determined Oxidising properties Not determined
Decomposition temperature	Not determined 9.2 Other information None known

10 STABILITY AND REACTIVITY	
10.1	Reactivity Stable under normal conditions of handling
10.2	Chemical stability Hazardous polymerisation will not occur
10.3	Hazardous reactions None known
10.4	Conditions to avoid Moisture. Strong reducing agents
10.5	Incompatible material Contact with water. High temperature. Moisture
10.6	Hazardous decomposition products Acrid smoke and irritating fumes, Metal oxides

11 TOXICOLOGICAL INFORMATION	
11.1 Information on toxicological effects	
Acute toxicity	LD ₅₀ rat (oral) No data available
Dermal compatibility	No data available
Mucous membrane	No data available. Might be slightly irritating to eyes
Further information	This product is not expected to cause long-term adverse health effects, any mutagenic effects or reproductive or developmental health effects. Cancer suspected agent (Quartz)

12 ECOLOGICAL INFORMATION	
12.1	Toxicity LC ₅₀ Aquatic organisms mg/l Not determined
12.2	Degradability Not determined 12.3 Bioaccumulative potential Not expected to bioaccumulate
12.4	Mobility in soil Not determined 12.5 PBT/vPvB assessment Not applicable
12.6	Other adverse effects None known

13 DISPOSAL CONSIDERATIONS	
Advice on disposal	If possible, recycle to supplier or approved recycling company. If not (e.g. designated as waste), dispose of in accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005. Material is a special waste under UK legislation
Contaminated packaging	Treat empty containers in the same way as the product. If possible wash out thoroughly and recycle

14 TRANSPORT INFORMATION					
14.1	United Nations number (ADR, IMDG, IATA)	Not classified	14.2	Proper shipping name (ADR, IMDG, IATA)	Not classified
14.3	Transport class(s) (ADR, IMDG, IATA)	Not classified	14.4	Packing group (ADR, IMDG, IATA)	Not classified
14.5	Environmental hazards (ADR, IMDG, IATA)	The product should not be marked as a marine pollutant	14.6	Special procedures (ADR, IMDG, IATA)	Not applicable
14.7	Transport in bulk	Not applicable			

15 REGULATORY INFORMATION		
15.1	Safety, health and environmental regulations	In accordance with EC Regulation 1272/2008 (CLP) the product is not classified. Other regulatory information and provisions are not applicable for this product
15.2	Chemical safety assessment	Not applicable

16 OTHER INFORMATION	
Further information	The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP)
	Comply with COSHH Regulations
Sources of data	Other suppliers' safety data sheets, Annex VI of the CPL Regulation (EC) No 1272/2008, EH40 (2011)
Date of issue	07/01/2016
This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific problems	