

Allersearch

ADMS

MATERIAL SAFETY DATA SHEET (MSDS) 1907/2006 EC

DATED: January 1, 2015

IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

PRODUCT NAME: Allersearch ADMS
PRODUCT CODE: 09011234
USE OF THE SUBSTANCE - PREPARATION: Allergen Neutralizer/Cleaner
COMPANY IDENTIFICATION: Alkaline Corporation
PO Box 306
Oakhurst, NJ 07755
732 531 7830

2. COMPOSITION / INFORMATION ON INGREDIENTS

DEFINITION / CHEMICAL ORIGIN: Aqueous Compound of Stabilized Chlorine Dioxide and Dialkyl Dimethyl Ammonium Chloride detergents.

ACTIVE COMPONENTS:

EINECS No: 233-162-8

CAS No: 84603-69-0 , 10049-04-4

Chemical Name	EC	CAS	Concentration	Symbology
Chlorine Dioxide	N/A	10049-04-4	>25 PPM	corrosive
Dialkyl Dimethyl Ammonium Chloride		68424-95-3	> 10 PPM	

This product does not contain nonylphenol ethoxylate.

Physical and chemical properties of chlorine dioxide

Properties Chlorine Dioxide

CAS registry number	10049-04-4	
Molecular formula	ClO ₂	
Molecular weight	67.46	
Melting point, °C	NA	decomposes at 180–200
Boiling point, °C	110	
Water solubility, g/L	3.0 at 25°C and 34 mmHg	
Specific gravity	1.642 at 0°C	

3. HAZARD IDENTIFICATION:

4. A MILD AQUEOUS SOLUTION < 120 PPM CHLORINE DIOXIDE , DIDECYL DIMETHYL AMMONIUM CHLORIDE AND SORBITAN MONOOLEATE

5. **FIRST-AID MEASURES:**

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention-

EYE CONTACT: Rinse immediately with plenty of water for at least 15 min. Contact a doctor if symptoms persist.

SKLN CONTACT: Remove contaminated clothing. Wash thoroughly with soap & Water, flush with plenty of water. if irritation persists, seek medical advice.

INGESTION: Rinse mouth out with water. Seek immediate medical advice

OTHER:

5. **FIRE FIGHTING MEASURES:**

EXTINGUISHING MEDIA: Foam, extinguishing powder, carbon dioxide, water spray jet, high pressure water jet"

SPECIAL MEASURES: Avoid vapor inhalation. Keep away from source of ignition. Wear positive pressure self-contained breathing apparatus , Wear protective clothing.

EKTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray. Above flash point, chlorine vapors may form. Breathing air containing chlorine dioxide gas may cause nose, throat, and lung irritation. Eating or drinking large amounts of chlorite salts may cause irritation in the mouth, esophagus, or stomach.

ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillage.

ENVIRONMENTAL PRECAUTIONS: Keep away from drains, soils, surface & ground waters. Chlorite in water may move into groundwater, although reactions with soil and sediments may reduce the amount of chlorite reaching groundwater.

CLEAN UP METHODS FOR SPILLAGES: Contain spilled material. Cover with an inert absorbent material, sweep up and remove to an approved disposal container. Comply with all governmental & local disposal regulations.

6. **HANDLING & STORAGE:**

PRECAUTIONS IN HANDLING: Apply good manufacturing & industrial handling practice by ensuring

proper container use and proper room ventilation. Use a good handling method, do not ingest or touch chemical while handling.

STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry and ventilated area away from heat sources & protected from light.

FIRE PROTECTION: Keep away from flames or fires.

EXPOSURE CONTROLS / PERSONAL PROTECTION: Use good ventilation equipment. Facilities storing or utilizing this material in bulk should have an eyewash system. Use adequate general or local exhaust ventilation to keep airborne concentration below the permissible exposure limit.

RESPIRATORY PROTECTION

VENTILATION: Avoid breathing product vapors. Apply local ventilation where possible. Ensure good venting of area.

HAND PROTECTION: Avoid skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORKPLACE PRACTICE: Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES:

COLOUR:	Colourless
APPEARANCE:	Clear liquid
ODOUR:	Light chlorine
FLASH POINT C	NA
SOLUBILITY IN WATER:	3.0 at 25°C

10. STABILITY & REACTIVITY:

CONDITIONS TO AVOID: Heat, flames, ignition sources.

MATERIALS TO AVOID: Strong oxidant, silver salts, acid chlorides, alkali metals, metal hybrids, hydrazine, and other substances.

HAZARDOUS DECOMPOSITION

PRODUCTS: Carbon dioxide, and carbon monoxide may form when heated to decomposition.

II. TOXICOLOGY INFORMATION:

TOXICITY:	Chlorine Dioxide
ORAL RAT:	L.D50 =100 mg/L
INHALATION RAT:	LC50 =200 mg/L

*** Skin irritation @ 1:64 dilution = Not an irritant (primary irritation index = 0.0)*

ECOLOGICAL INFORMATION:

FOLLOWING DATA: When released into the soil, this material is expected to readily biodegrade. When release into the soil, this material may leach into groundwater. When release in to the soil, this material is expected to biodegrade. When release into the water, this material is expected to biodegrade. When released into the water, this material may dissolve to a moderate extent. This material is not expected to significantly bio accumulate. When released into the air, this material is expected to degrade. When released to the air, this material is expected to be readily removed from the atmosphere by wet deposition. Chlorine is toxic to aquatic life.

12. DISPOSAL CONSIDERATIONS:

Avoid disposing to drainage systems and into the environment. Waste incineration with the approval of the responsible local authority.

12. TRANSPORT REGULATIONS:

UN 1197 Does not apply

UN PACKING GROUP NAME: Does not apply

LAND TRANSPORT: Household Detergents, Cleaning Product

SEA TRANSPORT: Household Detergents, Cleaning Product

AIR TRANSPORT: Household Detergents, Cleaning Product

15. REGULATORY INFORMATION:

LABEL: ADMS Anti Allergen Spray

CAS No: 10049-04-4

RISK PHRASE: Mildly corrosive liquid.

SAFETY PHRASE: 52: Keep out of the reach of children.
S7: Keep container tightly closed.

16. OTHER INFORMATION:

PACKING;

TYPE	SUITTABILTTY
Glass	Yes
Lacquer lined steel/tin	No
Aluminium	No
HPPE	Yes
F/HDPE	Yes
PETE	Yes

SHELF LIFE

When stored within advised conditions, test after 12 months then at 24 month up to a maximum life of 36 months.

O.C.REOUIRMENTS:

Use in conformance with general product instructions on label. Always satisfy suitability for specific application. Retest after 12 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtain from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, users should verify their requirements and product application.

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