

AllerTech®
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AllerTech® Anti-Allergy Spray
MATERIAL SAFETY DATA SHEET
(MSDS)

Dated: January 1, 2015

IMPORTANT INFORMATION - DO NOT DISCARD

WE WILL SEND A CURRENT MSDS SHEET TO OUR CUSTOMERS ON THE FIRST SHIPMENT ONLY, UNLESS A SUBSTANTIAL REVISION OCCURS.

This information is believed to be accurate and represents the best information currently available to us. We however, make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. The statements contained herein are for informational purposes, and are intended to be followed by persons having related technical skills and at their own discretion and risk. Since conditions and manner of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with use of any of this information. The data in this MSDS relates only to the specific material designed herein, and do not relate to any use in combination with other materials or process.

SECTION I - IDENTIFICATION SECTION:

NAME OF PRODUCT:	AllerTech® Anti-Allergen Spray
PRODUCT CODE:	09011234
USE OF THE SUBSTANCE – PREPARATION:	ALLERGEN NEUTRALIZER/CLEANER
CHEMICAL ORIGIN/DEFINITION:	ALLERGEN NEUTRALIZING COMPOUND
ACTIVE COMPONENTS:	EINECS NO: 233-162-8

CHEMICAL NAME	EC	CAS	CONCENTRATION	SYMBOLGY
CHLORINE DIOXIDE	N/A	10049/044	< 100 PPM	CORROSIVE
DIDECYL DIMETHYL AMMONIUM CHLORIDE	N/A	7173-51-5	< 100 PPM	
SORBITAN MONOOLEATE	N/A	1338-43-8	< 10 PPM	

This product does not contain nonylphenol ethoxylate.

PHYSICAL AND CHEMICAL PROPERTIES OF 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	3.0 AT 25°C AND 34 MM HG	
SPECIFIC GRAVITY	1.642 AT 0°C	

SECTION II - HAZARDOUS IDENTIFICATION:

NONE - NO NOTED

MILD AQUEOUS SOLUTION OF CHLORINE DIOXIDE, DIDECYL DIMETHYL AMMONIUM CHLORIDE AND SORBITAN MONOOLEATE

SECTION III – 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 MINUTES. CONTACT A DOCTOR IF SYMPTOMS PERSIST.
SKIN CONTACT:	REMOVE CONTAMINATED CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER, FLUSH WITH PLENTY OF WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ADVICE.
INGESTION:	RINSE MOUTH OUT WITH WATER. SEEK IMMEDIATE MEDICAL ADVICE.
OTHER:	

SECTION IV - FIRE AND EXPLOSION DATA:

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.
EXTINGUISHING 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.
<u>ACCIDENTAL RELEASE MEASURES:</u>	
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:	CONTAIN SPILLED MATERIAL.
FOR SPILLAGES:	COVER WITH AN INERT ABSORBENT MATERIAL, SWEEP UP AND REMOVE TO AN APPROVED DISPOSAL CONTAINER. COMPLY WITH ALL GOVERNMENTAL AND LOCAL DISPOSAL REGULATIONS.

SECTION V – HANDLING AND STORAGE:

PRECAUTIONS IN HANDLING:	APPLY GOOD MANUFACTURING AND 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 COLD, DRY AND VENTILATED AREA AWAY FROM HEAT SOURCES AND 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 PRODUCTS 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 AND WATER AFTER HANDLING.

SECTION VI – PHYSICAL & CHEMICAL PROPERTIES:

COLOUR:	COLOURLESS
APPEARANCE:	CLEAR LIQUID
ODOUR:	LIGHT CHLORINE
FLASH POINT C:	NA
SOLUBILITY IN WATER:	3.0 AT 25° C

SECTION VII – STABILITY AND 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.

SECTION VIII – TOXICOLOGY INFORMATION:

TOXICITY:	CHLORINE DIOXIDE
ORAL RAT:	L.D50=100 MG/L
INHALATION RAT:	L.C50=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.

DISPOSAL CONSIDERATIONS:

AVOID DISPOSING TO DRAINAGE SYSTEM AND INTO THE ENVIROMENT. WASTE INCINERATION WITH THE APPROVAL OF THE RESPONSIBLE LOCAL AUTHORITY.

SECTION IX – TRANSPORT REGULATIONS:

UN1197
UN-PACKING GROUP NAME:
LAND TRANSPORT:
SEA TRANSPORT:
AIR TRANSPORT:

DOES NOT APPLY
DOES NOT APPLY
HOUSEHOLD DETERGENTS, CLEANING PRODUCT
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SECTION X – REGULATORY INFORMATION:

LABEL:

AllerTech® **Anti-Allergen Spray**
CAS NO: 100949-04-4

RISK PHRASE:
SAFETY PHRASE:

MIDLY CORROSIVE LIQUID
52: KEEP OUT OF THE REACH OF CHILDREN
S7: KEEP CONTAINER TIGHTLY CLOSED.

SECTION XI – OTHER INFORMATION:

PACKING:

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

SHELF LIFE

When stored within advised condition, 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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