Date of issue : 25 December,2003
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Safety Data Sheet

1. Product and company identification

Product name	:	N,N-Diethyl-N-methyl-N-(2-methoxyethyl)ammonium bis(trifluoromethanesulufonyl)imide
Name of manufacturer	:	KANTO CHEMICAL CO., INC.
Address	:	2-1, Nihonbashi, Muromachi 2-Chome, Chuo-Ku, Tokyo, 103-0022, Japan
Name of section	:	Reagent division, catalog and products information section
Telephone number	:	+81-3-6214-1090
Facsimile number	:	+81-3-3241-1047
Mail address	:	BC32@gms.kanto.co.jp
SDS No.	:	11468

2. Summary of danger and Hazard

GHS classification

Physical and chemical hazard

Flammable liquids	:	Out of category
Pyrophoric liquids	:	Out of category

Human health hazard

Acute toxicity(oral)	:	Category 3
Skin corrosion・Irritation	:	Out of category
Serious eye damage・Eye irritation	:	Out of category
Skin sensitization	:	Out of category

Pictogram or symbol

Signal word	:	Danger
Hazard statement	:	Toxic if swallowed

Cautions

Safety measurements	:	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
First-aid measures	:	If swallowed: Induce vomiting, if possible, and rinse mouth. Immediately get medical treatment.
Storage	:	Store locked up.
Disposal	:	Dispose of contents and containers appropriately in accordance with related regulations.

3. Composition/Information on ingredients

Substance/Mixture	:	Substance
Chemical name or commercial name	:	N,N-Diethyl-N-methyl-N-(2-methoxyethyl)ammonium bis(trifluoromethanesulufonyl)imide

Ingredients and composition
: N,N-Diethyl-N-methyl-N-(2-methoxyethyl)ammonium bis(trifluoromethanesulufonyl)imide min. 99.0%

Chemical formula : C10H20F6N2O5S2

CAS No. : 464927-84-2

TSCA Inventory : Not registered

EINECS No. : -

4. First aid measures

Inhalation : Remove the victim to fresh air, and make him blow his nose and gargle.

Skin contact : Wash the affected areas under running water.

Eye contact : Wash the affected areas under running water for at least 15 minutes. If necessary, get medical treatment.

Ingestion : Give the victim water. If necessary, get medical attention.

5. Fire fighting measures

Extinguishing media : Dry chemical powder, carbon dioxide, dry sand, foam

Prohibited extinguishing media
: Water spray

Particular fire fighting : Move containers from fire area if it can be done without risk, if not possible, apply water from a safe distance to cool and protect surrounding area.

Protection for firefighters
: Firefighters should wear protective equipment.

6. Accidental release measures

Cautions for personnel : Wear proper protective equipment and avoid contact with skin or inhalation of vapor.

Cautions for environment : Attention should be given not to cause damage to the environment by flowing of spillage to rivers. In case of the dilution of copious water, do not cause damage to the environment by untreated wastewater.

Removal measure : Absorb spill with inert material (e.g., diatomaceous earth, sand) and flush residual area with copious amounts of water.

7. Cautions of handling and storage

Handling

Engineering measures : Wear proper protective equipment not to contact with skin or inhale the vapor.

Storage

Adequate storage condition
: Store in a dark, cool place and tightly closed.

Safety adequate container materials
: Glass, polyethylene, polypropylene

8. Exposure control/Personal protection

Engineering measures : Use only with adequate ventilation and in closed systems.

Control parameters

ACGIH(2009) : 2.5mg/m3(as fluorine)(TLV-TWA)

Protective equipment

Respiration protective equipment

: If necessary, wear a chemical cartridge respirator.

Hands protective equipment

: Impervious protective gloves

Eyes protective equipment

: Safety goggles

9. Physical and chemical properties

Appearance	:	Liquid
Color	:	Colorless-pale yellow
Odor	:	Odorless
Boiling point	:	Not available
Melting point	:	Not available
Flash point	:	312℃
Specific gravity	:	about 1.41g/mL(20℃)
Solubility		
Solubility in solvents	:	Water ; Insoluble Organic solvent ; Soluble in methanol,ethanol,acetone,ethyl acetate,practically insoluble in hexane,diethyl ether
Other data	:	Viscosity ; 120cP(20℃) Electrical conductivity ; 2.62mS/cm

10. Stability and reactivity

Stability	:	Stable under normal usage.
Reactivity	:	May react with oxidizing substances.
Incompatible conditions	:	Light, heat
Incompatible materials	:	Oxidizing substances
Hazardous decomposition products		
	:	Carbon monoxide, nitrogen oxides, sulfur oxides

11. Toxicological information

Acute toxicity	:	Toxic if swallowed(category 3) Dermal : Not possible to classify because of insufficient data. Inhalation(vapor) : Not possible to classify because of insufficient data. Inhalation(dust, mist) : Not possible to classify because of insufficient data. rat oral LD50>200～300mg/kg
Skin corrosiveness	:	Out of category Since skin irritation was not observed in 4-hour exposure to the skin of rabbit, it was set into out of category.
Irritation to skin, eyes	:	Out of category

In studies which is dropped to the rabbits eyes of this material, redness and or but secretions were observed in the conjunctiva, however, these were completely recovered within 48 hours, so it was set into out of category.

Respiratory sensitization or Skin sensitization

: Respiratory sensitization : Not possible to classify because of insufficient data.

Skin sensitization : Out of category

Sensitization was not recognized in skin sensitization test using guinea pig.

Mutagenicity : Not possible to classify because of insufficient data.

Carcinogenic effects : Not possible to classify because of insufficient data

Effects on the reproductive system

: Not possible to classify because of insufficient data.

Specific target organ systemic toxicity single exposure

: Not possible to classify because of insufficient data.

If inhaled the vapor, may cause irritation to nose, throat, and bronchus, however, it is not possible to classify because of insufficient date.

Specific target organ systemic toxicity repeated exposure

: Not possible to classify because of insufficient data.

Aspiration hazard : Not possible to classify because of insufficient data.

12. Ecological information

Ecotoxicity

Fish toxicity : Acute aquatic toxicity : Out of category

Chronic aquatic toxicity : Out of category

Killifish LC50=100-1000mg/L/96H

Rediualbility and degradability

: Not available

Mobility : Not available

13. Disposal consideration

Residual disposal : Mixed with flammable organic solvents and burn in a chemical incinerator equipped with an afterburner and a scrubber. Or entrust approved waste disposal companies with the disposal.

Containers : In case of disposal of empty bottles, dispose bottles after removing the content thoroughly.

14. Transport information

UN class : Class 6.1 (Toxic substances) P.G.Ⅲ

UN number : 2810

Marine regulation information

UN No. : 2810

Proper shipping name : TOXIC LIQUID, ORGANIC, N.O.S.

Class : 6.1

Packing group : Ⅲ

Maline pollutant : Not applicable

Aviation regulation information

UN No.	:	2810
Proper shipping name	:	Toxic liquid, organic, n.o.s.
Class	:	6.1
Sub risk	:	-
Packing group	:	Ⅲ

15. Regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

16. Other information

References Encyclopaedia Chemica, Kyoritsu Shuppan Co., Ltd.(1963)

Handbook of 15710 Chemical Products, The Chemical Daily Co.(2010)

The information contained herein is based on several references and the present state of our knowledge. However the SDS does not always cover all information about the product, handle the product carefully.The information is intended to ordinary usage, in case of particular handlings, conduct appropriate safety measurements.The information herein is only provision of information, and it does not represent a guarantee the properties of the product.The Safety Data Sheet(SDS) is prepared based on JIS Z7253, and it has the same required elements on the Material Safety Data Sheet(MSDS) which is prepared based on JIS Z7250:2010.