FOREWORD INTRODUCTION

SODIUM CHLOROACETATE

CAS N°: 3926-62-3

Substance

End Point	:	**IDENTIFIERS, PHYSICAL AND CHEMICAL PROPERTIES**
Chemical Name	:	**Acetic acid, chloro-, sodium salt**
Common Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
RTECS Number	:	**AG1400000**

Synonyms

Chloroacetic acid sodium salt
Monochloroacetic acid sodium salt
SMA
SMA (herbicide)
SMCA
Sodium .alpha.-chloroacetate
Sodium 2-chloroacetate
Sodium monochloroacetate

Properties & Definitions

Molecular Formula	:	**C2H2ClO2.Na**
Molecular Weight	:	**116.48**
Melting Point	:	**120C DCP**
Boiling Point	:	**120C DCP**
Flash Point	:	**270C (c-cup)**
Vapour Pressure	:	**<0.0087 kPa(<0.065 mmHg)at 25C**
Octanol/Water Partition Coefficient	:	**log Pow = <0.2 calculated**
Water Solubility	:	**820000 mg/L at 20C***
Additives	:	**None**
Impurities	:	**Sodium glycolate; sodium chloride. Purity >95%**
General Comments	:	pH in water 6.6; pKa 2.81. *Technical grade, 90% pure 850000 mg/L.

Production-Trade

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Geographic Area : **SWE**

Production

Quantity	*Year*
1000-4900 t - IM	**1991**

References

!SIDSP*
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

KEMIR*
KemI. KEMI Report, (1992)

Production-Trade

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Geographic Area : **FRG**

Production

Quantity	*Year*
10000-50000 t - P	**1991**

General Comments : Production volume of West Germany.

References

!SIDSP*
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

HOECH*
Hoechst AG, (1992)

Production-Trade

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Geographic Area : **CAN**

Production

Quantity	*Year*
24-240 t - IM	**1986**
0 - P	**1986**

General Comments : Total import and production.

References

!SIDSP*
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

#MCASS*
Chenier, R. Answer on Swedish Request on Monochloroacetic Acid and it's Sodium Salt, (1991)

Production-Trade

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Geographic Area : **WORLD**

Production

Quantity	*Year*
11000-55000 t - P	**1991**

General Comments : The total world production volume (Germany and Sweden).

References

!SIDSP*
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Production-Trade

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Geographic Area : **AUS**

Production

Quantity	*Year*
0 - P	**1992**

General Comments : Austria: total production zero tonnes from 1992.

References

!SIDSP*
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

#MCASB*
Kohlmann, H. Answer on Swedish Request on Monochloroacetic Acid and the Sodium Salt (letter), (1992)

Uses

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Geographic Area : **FRG**

Use

Quantity	*Year*	*Comments*
		SMCA is used for production of:
33 %	**1991**	CMC ca. 33%
22 %	**1991**	Thioglycolic acid ca. 22%
15 %	**1991**	Ethyl and methyl chloroacetate
6 %	**1991**	Intermediate for herbicides ca. 6%
24 %	**1991**	Others ca. 24%
		SMCA is not permitted as food additive and herbicide in Germany.

References

Primary References : **HOECH***
Hoechst AG, (1992)

Secondary References : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Uses

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Geographic Area : **FRG**

Use

Quantity	*Year*	*Comments*
		INDUSTRIAL USE:
		Chemical intermediate - organic chemistry
		Chemical intermediate - inorganic/organo-metallic chemistry.
		Raw material for pigment, dye and printing ink
		Formulation component in herbicides; agricultural use (against weed in seedling stages of brusselsprouts, kale, leeks and onions).
		Public use of SMCA has not been identified.

References

Primary References : **#MCASS***
Chenier, R. Answer on Swedish Request on Monochloroacetic Acid and it's Sodium Salt, (1991)

Secondary References : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Uses

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Geographic Area : **GBR**

Use

Quantity	*Year*	*Comments*
		Formulation component: in herbicides. These pesticides are approved in U.K and Ireland in 1989.

References

Primary References : **EUDAP***
Hamish, K. et al. European Dictionary of Agrochemicals Products, (1990)

Secondary References : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Uses

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Use

Quantity	*Year*	*Comments*
		Raw material for: Atmospheric surfactant Carboxymethyl cellulose

References

Primary References : **ECDIN***
Environmental Chemicals Data and Information Network (ECDIN), (1991)

Secondary References : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Uses

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Use

Quantity	*Year*	*Comments*
		Raw material for: Paints, lacquers and varnishes Type of use: non-dispersive use

References

Primary References : **HOECH***
Hoechst AG, (1992)

Secondary References : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Uses

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Use

Quantity	*Year*	*Comments*
		Formulation component in herbicides, for total weed control on industrial sites and other non-crop lands.

References

Primary References : **31ZOAD**
Worthing, C. R. et al. Pesticide Manual, 9th ed., 152, (1991)

Secondary References : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Uses

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Use

Quantity	*Year*	*Comments*
		Raw material for: Dyestuffs Pharmaceutical products

References

Primary References : **FCASC***
Deschamps, P. Formula 1 on Chloroacetic Acid and Sodium Chloroacetate, (1992)

Secondary References : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**CONCENTRATION**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
Study type	:	**LAB**
Geographic Area	:	**USA**

Test Subject

Organism	*Medium*	*Specification*	*Lifestage*	*Sex*
	AQ	**DRINK**		

Test Method and Conditions

Test method description : Monitoring study

Test Results

Matrix	*Concentrations*	*Spec.*	*Date*
	=<1 ug/L		**1988-1989**

In drinking water

References

Primary Reference : **HOECH***
Hoechst AG, (1992)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**CONCENTRATION**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
Study type	:	**LAB**
Geographic Area	:	**JPN**

Test Subject

Organism	*Medium*	*Specification*	*Lifestage*	*Sex*
	AQ	**SURF**		
	SED			

Species/strain/system : Suwa lake, Japan

Test Method and Conditions

Test method description : Monitoring study

Test Results

Matrix	*Concentrations*	*Spec.*	*Date*
	0.64 ug/L		**1984**
In surface water			
	1.6-3.3 ug/kg		**1984**
In sediment			

References

Primary Reference : **EACES***
Chemicals in the Environment: The Report of Environmental Survey of Chemicals in F.Y., (1987)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**BIODEGRADATION**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
Study type	:	**LAB**
Geographic Area	:	**SWE**

Test Subject

Organism	*Medium*	*Specification*
	AQ	**SLUDG**

Species/strain/system : Water + activated sludge, with or without adaptation

Test Method and Conditions

Test method description	:	OECD Guideline 301 C; GLP: no
Temperature	:	**20 C**
(An)aerobic	:	**AEROB**

Test Results

Quantity	*Time*	*Comments on result*
91 %	**9 d**	Degradation after 9 days, no adaptation
91 %	**5.5 d**	Degradation after 5.5 days, adaptation

References

Primary Reference : **IVLBDQ**
Solyom, P. Institutet foer Vatten och Luftvardsforskning, (1981)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**BIODEGRADATION**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
Study type	:	**LAB**
Geographic Area	:	**SWE**

Test Subject

Organism	*Medium*	*Specification*
	AQ	**SLUDG**

Species/strain/system : Activated sludge, non-activated

Test Method and Conditions

Test method description : OECD Guideline 302 B (updated 7/85, part C).

(An)aerobic : **AEROB**

Exposure

Dose / Concentration : **1000 mg/L**

Test Results

Quantity	*Time*	*Comments on result*
80 %	**5 d**	Degradation after 5 days
90 %	**6 d**	Degradation after 6 days

References

Primary Reference : **HOECH***
Hoechst AG, (1992)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**BIODEGRADATION**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
Study type	:	**LAB**
Geographic Area	:	**SWE**

Test Subject

Organism	*Medium*	*Specification*
	SOIL	

Test Method and Conditions

Test method description	:	Comparative study of mono-, di-, and trichloroacetate. Production of CO2 and/or formation of ionized organically bound chlorine were used as an index for breakdown.
Temperature	:	**7-15 C**
pH	:	**4.9-7.2**

Exposure

Exposure comments	:	Aerobic and anaerobic conditions were used.

Test Results

Quantity	*Time*	*Comments on result*
50 %	**9 d**	Neutral soil, 7C: 28 days latency period followed by a half-rate time of about 9 days.
50 %	**3.5 d**	Neutral soil, 15C: ca. 7 days latency period followed by a half-rate time of about 3.5 days.
50 %	**12 d**	Acid soil (pH 4.9 - 5.1), 15C: ca. 13 days latency period followed by a half-rate time of about 12 days.
50 %	**>70 d**	Acid soil (pH 4.9 - 5.1), 7C: >70 days latency period. No degradation under the exposure period (70 days).
		All three compounds (mono-, di-, and trichloroacetate) were decomposed after a latency period that varied greatly, but could be eliminated when cell suspension of active bacteria were added together with the compounds.

General Comments : Monochloroacetate was most easily decomposed. Bacteria (Pseudomonas sp.) as well as certain fungi, particularly Tricoderma viride, were responsible for this process which was hardly influenced by soil reaction varying from pH 4.5 to 7. Only in acid soil and at low temperature (7C) or under anaerobic conditions monochloroacetate appeared comparatively resistant.

References

Primary Reference : **TPLAAV**
Jensen, H. L. Tidsskrift for Planteavil, 63, 470-499, (1959)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **BIODEGRADATION**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**
Geographic Area : **SWE**

Test Subject

Organism	*Medium*	*Specification*
BACT	**AQ**	

Species/strain/system : Water + methanogenic bacteria

Test Substance

Purity Grade : **99%**
Labelled Compound : **14C-SMCA**

Test Method and Conditions

Test method description : Static
Temperature : **34 C**
(An)aerobic : **ANAER**

Test Results

Quantity	*Time*	*Comments on result*
		Degradation product at 348 mg/L: glycolate
		Degradation product at 1060 mg/L: glycolate, HCO3-, methane and CO2.

References

Primary Reference : **AMICCW**
Egli, C. et al. Archives of Microbiology, 152, 218-223, (1989)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**BIODEGRADATION**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
Study type	:	**LAB**
Geographic Area	:	**SWE**

Test Subject

Organism	*Medium*	*Specification*
BACT	**AQ**	

Species/strain/system : Water + methanogenic bacteria

Test Substance

Purity Grade	:	**99%**
Labelled Compound	:	**14C-SMCA**

Test Method and Conditions

Test method description	:	Static
Temperature	:	**34 C**
pH	:	**7.2**
(An)aerobic	:	**ANAER**

Exposure

Exposure comments : Concentrations 5 and 11 mg/L related to the test substance.

Test Results

Quantity	*Time*	*Comments on result*
86 %	**2 d**	Degradation after 2 days - related to 9 mg/L. Degradation products: methane, CO2 and chloride ions.
90 %	**2 d**	Degradation after 2 days - related to 14 mg/L. Degradation products: methane, CO2 and chloride ions.

References

Primary Reference : **AMICCW**
Egli, C. et al. Archives of Microbiology, 152, 218-223, (1989)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**BIODEGRADATION**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
Study type	:	**LAB**
Geographic Area	:	**SWE**

Test Subject

Organism	*Medium*	*Specification*
BACT	**AQ**	

Species/strain/system	:	Water + methanogenic bacteria

Test Substance

Purity Grade	:	**99%**
Labelled Compound	:	**14C-SMCA**

Test Method and Conditions

Test method description	:	Flow-through system; fluidized bed reactor
Temperature	:	**34 C**
pH	:	**7.2**
(An)aerobic	:	**ANAER**

Exposure

Exposure Period	:	**6 mo**
Exposure comments	:	Concentrations 348 and 1060 mg/L related to the test substance.

Test Results

Quantity	*Time*	*Comments on result*
0.2 mmol/h	**1 h**	Degradation rate at 350 mg/L. Degradation products: methane, CO2 and chloride ions.
0.76 mmol/h	**1 h**	Degradation rate at 12800 mg/L. Degradation products: methane, CO2 and chloride ions.

References

Primary Reference : **AMICCW**
Egli, C. et al. Archives of Microbiology, 152, 218-223, (1989)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Dose / Concentration : **76 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
RAT			**ORL**			**LD50**	

References

Primary Reference : **JIHTAB**
Woodard, G. et al. Journal of Industrial Hygiene and Toxicology, 23, 78-82, (1941)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Dose / Concentration : **335 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no data

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
RAT			**ORL**			**LD50**	

References

Primary Reference : **CHABA8**
Babanov, G. P. et al. Chemical Abstracts, (1984)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Dose / Concentration : **474 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no data

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
RAT			**ORL**			**LD50**	

References

Primary Reference : **CHABA8**
Dubinina, O. N and Maksimov, G. G. Chemical Abstracts, 9, 100-103, (1976)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Dose / Concentration : **580 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no data

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
RAT			**ORL**			**LD50**	

References

Primary Reference : **GTPZAB**
Maksimov, G. G. and Dubinina, O. N. Gigiena Truda i Professional'nye Zabolevaniya
(Labour Hygiene and Occupational Diseases), 18, 32, (1974)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Dose / Concentration : **487 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no data

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
RAT			**ORL**			**LD50**	

References

Primary Reference : **GTPZAB**
Vasilenko, N. M. et al. Gigiena Truda i Professional'nye Zabolevaniya
(Labour Hygiene and Occupational Diseases), 31, 12, (1987)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Dose / Concentration : **165 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no data

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
MOUSE			**ORL**			**LD50**	

References

Primary Reference : **JPETAB**
Morrison, J. L. Journal of Pharmacology & Experimental Therapeutics, 86, 336-338, (1946)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Dose / Concentration : **225-339 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
MOUSE			**ORL**			**LD50**	

References

Primary Reference : **JIHTAB**
Woodard, G. et al. Journal of Industrial Hygiene and Toxicology, 23, 78-82, (1941)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Dose / Concentration : **339 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no data

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
MOUSE			**ORL**			**LD50**	

References

Primary Reference : **CHABA8**
Babanov, G. P. et al. Chemical Abstracts, (1984)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Species/strain/system : Rabbit
Dose / Concentration : **156 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no data

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
RBT			**ORL**			**LD50**	

References

Primary Reference : **PCOC****
Pesticide Chemicals Official Compendium, 1047, (1966)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**MAMMALIAN ACUTE TOXICITY**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
Species/strain/system	:	Guinea pig
Dose / Concentration	:	**79 mg/kg BW**

Test Method and Conditions

Test method description	:	GLP: no

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
GPIG			**ORL**			**LD50**	

References

Primary Reference	:	**JIHTAB** Woodard, G. et al. Journal of Industrial Hygiene and Toxicology, 23, 78-82, (1941)
Secondary Reference	:	**!SIDSP*** OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**MAMMALIAN ACUTE TOXICITY**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
Species/strain/system	:	Golden hamsters
Dose / Concentration	:	**245 mg/kg BW**

Test Method and Conditions

Test method description	:	GLP: no data

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
HAMST			**ORL**			**LD50**	

References

Primary Reference : **CHABA8**
Dubinina, O. N. and Maksimov, G. G. Chemical Abstracts, 9, 100-103, (1976)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Species/strain/system : Wistar rats
Dose / Concentration : **>2000 mg/kg BW**

Test Substance

Purity Grade : **96.2%**

Test Method and Conditions

Test method description : OECD-like; GLP: yes

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
RAT			**SKN**			**LD50**	

References

Primary Reference : **HOECH***
Hofmann and Jung. Hoechst AG, 88.151, (1988)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Dose / Concentration : **181 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
MOUSE			**IPR**			**LD50**	

References

Primary Reference : **APTOA6**
Le Poidevin, N. Acta Pharmacologica et Toxicologica, 23, 98-102, (1965)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Species/strain/system : Guinea pig
Dose / Concentration : **115 mg/kg BW**

Test Method and Conditions

Test method description : GLP: no

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
GPIG			**IPR**			**LD50**	

References

Primary Reference : **GTPZAB**
Vasilenko, N. M. et al. Gigiena Truda i Professional'nye Zabolevaniya (Labour Hygiene and Occupational Diseases), 31, 12, (1987)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
CATTL			**ORL**				

Species/strain/system : Cows

Test Method and Conditions

Test method description : GLP: no

Exposure

Exposure comments : Accidental exposure of cattle to sodium chloroacetate.

Test Results

A number of cattle died after accidental exposure to sodium chloroacetate. The doses involved were at least 17-70 mg/kg body weight and probably in the order of 170 mg/kg body weight.

General Comments : Extensor paralysis of the limbs, tremors and convulsions were observed in three cows before death.

References

Primary Reference : **VETRAX**
Quick, M. P. et al. Veterinary Records, 113, 155-156, (1983)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
CATTL			**ORL**				

Species/strain/system : Cows

Exposure

Frequency : **1 X**

Test Results

In cows exposed to 50 mg/kg body weight of sodium chloroacetate lethargy lasting 24 hours was observed. Doubling the dose produced severe symptoms of intoxications (diarrhoea, muscular twitching and loss of muscle tone) with recovery after 2 weeks. Death occurred within 9 hours after

being given 150 mg/kg body weight.

References

Primary Reference : **NOVTAV**
Dalgaard-Mikkelsen, S. and Rasmussen, F. Nordisk Veterinaermedicin (Scandinavian Veterinary Medicine), 13, 271, (1961)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **DMT**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
CATTL			**ORL**	**JUV**	**F**	**4**	**4**

Species/strain/system : Heifer cows

Test Substance

Purity Grade : **97.5%**

Test Method and Conditions

Test method description : GLP: no

Exposure

Exposure Type : **SHORT**
Exposure Period : **28 d**
Dose / Concentration : **5-15 mg/kg BW**
Exposure comments : 4 heifer cows received 0, 5 or 15 mg/kg sodium chloroacetate for 28 days.

Test Results

Organ	*Effect*	*Rev.*	*OnSet*	*Sex*	*Affected in Exposed - Controls*
	BIOCH				

Decreased glycolitic activity of the ruminal flora occurred at 15 mg/kg and was apparently the only altered parameter observed.

References

Primary Reference : **NOVTAV**
Dalgaard-Mikkelsen, S. and Rasmussen, F. Nordisk Veterinaermedicin (Scandinavian Veterinary Medicine), 13, 271, (1961)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **MAMMALIAN TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
RAT			**ORL**		**M**	**10/GROUP**	**10**
					F	**10/GROUP**	**10**

Species/strain/system : S-D rats

Test Substance

Purity Grade : **AG**

Test Method and Conditions

Test method description : OECD-like; GLP: no data

Exposure

Exposure Type : **SHORT**
Exposure Period : **90 d**
Dose / Concentration : **15-120 mg/kg BW/d**
Exposure comments : Groups of rats were gavaged 0, 15, 30, 60 or 120 mg/kg/day for 90 days.

Test Results

Organ	*Effect*	*Rev.*	*OnSet*	*Sex*	*Affected in Exposed - Controls*
	DEATH		**2 d**		

At 120 mg/kg/day, 30% of females and 80% of the males died, most within the first 2 days of treatment.

LUNG	**CIRC**				
LIVER	**STRUC**				

Haemorrhagic and congested lungs(possibly a postmortem change) were observed in early deaths(1-3 days) whereas liver lesions were observed in later deaths.

KIDNY	**CHNG**			**M**	
BLOOD	**BIOCH**				

Nephrotoxicity was indicated in males by significantly elevated creatine, blood calcium and blood urea nitrogen levels of all dose groups. In females, only creatine levels were elevated in the 30 and 60 mg/kg groups.

LIVER	**CHNG**				
SERUM	**BIOCH**				

Hepatotoxicity was indicated by increased serum levels of alanine aminotransferase and separate aminotransferase in both males and females, but a significant trend could not be demonstrated.

HEART INFL

Chronic heart inflammation was present in both sexes particularly at the higher doses.

LIVER SIZE
KIDNY SIZE

Relative organ to bodyweight ratios were increased for both organs.

KIDNY CHNG M
SPLN COLOR

Histopathological examination revealed a significant increase in chronic renal nephropathy and increased splenic pigmentation at 60 mg/kg in males.

GONAD NEF

Absolute and relative weight and histopathological changes were not observed in the gonads for the high dose group.

General Comments : Both liver and kidneys were identified as target organs. LOAEL: 15 mg/kg/day was set for renal effects in males.

References

Primary Reference : **TJADAB**
Daniel, F. B. et al. Teratology, Journal of Abnormal Development, 67, 171-185, (1991)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**NEUROTOXICITY**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**

Evaluations

Evaluation text	:	OECD/SIDS summary: The neurotoxicity potential of sodium chloroacetate has been demonstrated in geese and cows. Three cows exposed to 17-68 mg/kg SMCA developed extensor paralysis of the limbs, tremors and convulsions. Two geese orally administered 100 mg/kg SMCA showed incoordination and convulsions.

References

Secondary Reference	:	**!SIDSP*** OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **IRRITATION**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
RBT			**OCU**				

Species/strain/system : Rabbit

Test Method and Conditions

Test method description : GLP: no data

Test Results

Organ	*Effect*	*Rev.*	*OnSet*	*Sex*	*Affected in Exposed - Controls*
EYE	**IRR**				
Irritating					

References

Primary Reference : **GTPZAB**
Vasilenko, N. M. et al. Gigiena Truda i Professional'nye Zabolevaniya (Labour Hygiene and Occupational Diseases), 31, 12, (1987)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **IRRITATION**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
RBT			**OCU**				

Species/strain/system : Albino New Zealand rabbits

Test Substance

Purity Grade : **96.2%**

Test Method and Conditions

Test method description : OECD Guideline 405; GLP: yes

Exposure

Dose / Concentration : **100 mg**

Test Results

Organ	Effect	Rev.	OnSet	Sex	Affected in Exposed - Controls
	NEF				

Not irritating

References

Primary Reference : **HOECH***
Kreiling and Jung. Hoechst AG, 88-109, (1988)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **IRRITATION**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**

Test Subject

Organism	Medium	Specification	Route	Lifestage	Sex	Number exposed	Number controls
RBT			**SKN**				

Species/strain/system : Albino New Zealand rabbits

Test Substance

Purity Grade : **96.2%**

Test Method and Conditions

Test method description : OECD Guideline 404; GLP: yes

Exposure

Dose / Concentration : **500 mg**

Test Results

Organ	Effect	Rev.	OnSet	Sex	Affected in Exposed - Controls
	NEF				

Not irritating

References

Primary Reference : **HOECH***
Kreiling and Jung. Hoechst AG, (1988)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**REPRODUCTION**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**

Evaluations

Evaluation text	:	OECD/SIDS comment: Data not available. It is considered that there are suitable supporting studies to fill this data element requirement: compound - related histopathologic effects or changes in absolute and relative testis weight were not observed in a 90-day Repeated Dose Toxicity study with rats (see Mammalian Toxicity file).

References

Secondary Reference	:	**!SIDSP*** OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **TERATOGENICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
RAT			**ORL**		**F**		

Species/strain/system : Long-Evans rats

Test Substance

Description of the test substance : MCA neutralised with NaOH.
Purity Grade : **99 %**

Test Method and Conditions

Test method description : GLP: no

Exposure

Exposure Type : **SHORT**
Exposure Period : **6-15 TDP**
Dose / Concentration : **17-140 mg/kg BW**
Exposure comments : Animals were dosed by oral intubation on gestation days 6-15 with 0, 17, 35, 70 or 140 mg/kg and sacrificed on day 20.

Test Results

Organ	*Effect*	*Rev.*	*OnSet*	*Sex*	*Affected in Exposed - Controls*
BW	**DECR**				

Mean adjusted percentage weight gain for 0-20 days was reduced for the 140 mg/kg group of dams. Reduction in weight gain was observed in 35, 70 and 140 mg/kg groups for the first 3 days of dosing.

NOEL
NOAEL

Maternal NOEL: 17 mg/kg; Maternal NOAEL: 70 mg/kg.

FETUS **CHNG**

Mean cardiovascular malformations, comprising predominantly of levocardia, were significantly elevated over controls for the 140 mg/kg group.

FETUS **CHNG**

The mean frequency per litter of soft tissue malformations ranged from 1.2%(control) to 6.37%(140 mg/kg) but there was no dose-related progression effects.

FETUS **SIZE**

Crown-rump lengths for the 140 mg/kg group were slightly lower than controls.

NOAEL

Fetal NOAEL: 70 mg/kg

General Comments : OECD/SIDS comment: Article is not yet published.

References

Primary Reference : **#EBACP***
Randall, J. L. et al. Effects of Bromoacetic Acid and Chloroacetic Acid in Pregnant Long-Evans Rats, (1992)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **AQUATIC ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Species/strain/system : Water flea (Daphnia magna)

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
CRUS	**AQ**	**FRESH**				**LC50**	LC50 for 24 hours = 800 mg/L; LC0 for 24 hours =< 100 mg/L; LC100 for 24 hours =2000 mg/L.

References

Primary Reference : **ACHEM***
Boutonnet, J. H. ATOCHEM, 99639/J.C., (1988)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **AQUATIC ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Species/strain/system : Harlequin fish (Rasbora heteromorpha)
Exposure Period : **6.5-96 h**

Test Method and Conditions

Test method description : GLP: no
Temperature : **23-25 C**

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
FISH	**AQ**	**MARIN**				**LC50**	LC50 for 6.5 hours = 17000 mg/L; LC50 for 8 hours = 7000 mg/L; LC50 for 24 hours = 2600 mg/L; LC50 for 96 hours = 1400 mg/L.

References

Primary Reference : **IVLBDQ**
Martin, A. L. Institutet foer Vatten och Luftvardsforskning, (1973)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **AQUATIC ACUTE TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Species/strain/system : Rainbow trout (Oncorhynchus mykiss)

Test Method and Conditions

Test method description : Semi-static
Temperature : **18 C**

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
FISH	**AQ**	**FRESH**				**LC50**	LC50 for 24 hours = 2000 mg/L; LC50 for 48 hours = 900 mg/L.

References

Primary Reference : **AQUIR***
US EPA. AQUIRE. Aquatic Toxicity Information Retrieval Data Base, (1993)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **AQUATIC TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**
Geographic Area : **SWE**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
ALGAE	**AQ**	**FRESH**					

Species/strain/system : Green algae (Scenedesmus subspicatus)

Test Method and Conditions

Test method description : OECD Guideline 201; end points: biomass and growth rate determination.
Temperature : **24 C**
pH : **7.7-8.2**

Exposure

Exposure comments : Referring to nominal concentrations.

Test Results

Organ	*Effect*	*Rev.*	*OnSet*	*Sex*	*Affected in Exposed - Controls*
	EC0				
	BIOMA				

EC0 for 72 hours = 0.0058 mg/L (=NOEC)

EC10
BIOMA

EC10 for 72 hours = 0.006 mg/L

EC50
BIOMA

EC50 for 72 hours = 0.025 mg/L

EC10
BIOMA

EC10 for 72 hours = 0.007 mg/L

EC50
BIOMA

EC50 for 72 hours = 0.033 mg/L

General Comments : This test is conducted at a pH > pKa (=2.8) therefore, tested substance is the salt form.

References

Primary Reference : **HOECH***
Hoechst AG, (1992)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **AQUATIC TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**
Geographic Area : **SWE**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
CRUS	**AQ**	**FRESH**					

Species/strain/system : Water flea (Daphnia magna)

Test Results

Organ	*Effect*	*Rev.*	*OnSet*	*Sex*	*Affected in Exposed - Controls*
	EC50				

EC50 for 24 hours = 427 mg/L

References

Primary Reference : **HOECH***
Hoechst AG, (1992)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point	:	**AQUATIC TOXICITY**
Chemical Name	:	**Sodium chloroacetate**
CAS Number	:	**3926-62-3**
Study type	:	**LAB**
Geographic Area	:	**SWE**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
MOLL	**AQ**	**FRESH**					

Species/strain/system : Freshwater snail (Planorbarius corneus)

Test Method and Conditions

Test method description : Static; GLP: no. End point: change in colour (blood pigment).

Test Results

Organ	*Effect*	*Rev.*	*OnSet*	*Sex*	*Affected in Exposed - Controls*
BLOOD	**LOEC** **COLOR**				

LOEC (lowest observed effect concentration) for 6 hours = 15000 mg/L.

BLOOD	**LOEC** **COLOR**				

LOEC for 16.5 hours = 7000 mg/L.

References

Primary Reference : **IVLBDQ**
Martin, A. L. Institutet foer Vatten och Luftvardsforskning, (1973)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **TERRESTRIAL ACUTE TOXICITY**

Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Species/strain/system : Hen

Test Method and Conditions

Test method description : Not specified. Test substance: SMCA/MCA not stated whether expressed as acid or salt.

Test Results

Organism	*Medium*	*Spec.*	*Route*	*Lifestage*	*Sex*	*Effect*	*Effect Comments*
BIRD						**LD50**	LD50 for hen was established as 81 mg/kg body weight.

References

Primary Reference : **HOECH***
Hoechst AG, (1992)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **TERRESTRIAL TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**
Geographic Area : **SWE**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
BIRD							

General Comments : SMCA is classified as "toxic to poultry".

References

Primary Reference : **HBAGC***
Agrochemicals Handbook, 2nd ed., (1990)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **TERRESTRIAL TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**
Geographic Area : **SWE**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
BIRD						**2**	

Species/strain/system : Goose

Test Method and Conditions

Test method description : Not specified

Test Results

Administration of 50 mg/kg body weight of the sodium salt by stomach tube was not lethal to two geese but 75 mg/kg body weight, one week later, caused death within 46 hours in both birds. Symptoms, first occurring at 3 hours with 1000 mg/kg included incoordination and convulsions. Death occurred

within 8 1/2 hours. Damage to the throat and gastro-intestinal tract was seen at autopsy.

References

Primary Reference : **APTOA6**
Christiansen, M. et al. Acta Pharmacologica et Toxicologica, 18, 179-182, (1961)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Study

End Point : **TERRESTRIAL TOXICITY**
Chemical Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**
Study type : **LAB**
Geographic Area : **SWE**

Test Subject

Organism	*Medium*	*Specification*	*Route*	*Lifestage*	*Sex*	*Number exposed*	*Number controls*
INSEC							

Species/strain/system : Honey bee (Apis mellifera)

Test Method and Conditions

Test method description : Not specified

General Comments : SMCA is toxic to bees.

References

Primary Reference : **HBAGC***
Hartley, D. et al. Agrochemicals Handbook, 2nd ed., (1990)

Secondary Reference : **!SIDSP***
OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1994)

Substance

Chemical Name :
Reported Name : **Sodium monochloroacetate**
CAS Number : **3926-62-3**

Area	Type	Subject	Spec.	Description	Level / Summary Information :
GBR	REG	USE	PESTI	RSTR	Active ingredient of pesticide products appro ved for professional use only.
		USE	AGRIC	RSTR	***Title :*** Pesticides 1992: Pesticides approved under th e Control of Pesticides Regulations 1986.

Reference : **PACPR*, 500, 1992** ***Effective Date :*** 01NOV1991

Last Amendment : ***Entry / Update :*** NOV1992

Substance

Chemical Name :
Reported Name : **Sodium chloroacetate**
CAS Number : **3926-62-3**

Area	Type	Subject	Spec.	Description	Level / Summary Information :
CAN	REG	TRNSP	-	CLASS	PIN (PRODUCT IDENTIFICATION NO.): UN2659. CLASS (6.1): POISONOUS. PACKING GROUP III, (I=GREAT DANGER, III=MINOR DANGER). MAXIMUM AMOUNT PER PACKAGE THAT MAY BE TRANSPORTED ON A PASSENGER AIRCRAFT OR VEHICLE: 100 KG. MAXIMUM AMOUNT PER PACKAGE THAT MAY BE TRANSPORTED ON A CARGO AIRCRAFT: 200 KG. PRESCRIBED BY THE TRANSPORTATION OF DANGEROUS GOODS REGULATIONS, UNDER THE TRANSPORTATION OF DANGEROUS GOODS ACT (ADMINISTERED BY THE DEPARTMENT OF TRANSPORT). THE ACT AND REGULATIONS ARE INTENDED TO PROMOTE SAFETY IN THE TRANSPORTATION OF DANGEROUS GOODS IN CANADA, AS WELL AS PROVIDE ONE COMPREHENSIVE SET OF RULES APPLICABLE TO ALL MODES OF TRANSPORT ACCROSS CANADA. THESE ARE BASED ON UNITED NATIONS RECOMMENDATIONS. THE ACT AND REGULATIONS SHOULD BE CONSULTED FOR DETAILS. RECORDS ARE ENTERED UNDER THE PROPER SHIPPING NAME FOUND IN THE REGULATIONS; THIS MAY INCLUDE VERY GENERAL GROUPS OF CHEMICAL SUBSTANCES.
		LABEL		RQR	***Title :***
		PACK			

Reference : ***Effective Date :*** 06DEC1990

Last Amendment : **CAGAAK, 124, 26, 5523, 1990** ***Entry / Update :*** OCT1991
Canada Gazette Part II

Substance

Chemical Name :
Reported Name : **sodium chloroacetate**
CAS Number : **3926-62-3**

Area	*Type*	*Subject*	*Spec.*	*Description*	*Level / Summary Information :*
DEU	**REC**	**AQ USE**	**- INDST**	**CLASS RQR**	THIS SUBSTANCE IS CLASSIFIED AS HAZARDOUS TO WATER (WATER-HAZARD CLASS: WGK 2). (THE DIFFE RENT CLASSES ARE: WGK 3 = VERY HAZARDOUS; WGK 2 = HAZARDOUS; WGK 1 = SLIGHTLY HAZARDOUS; W GK 0 = IN GENERAL NOT HAZARDOUS.) THE CLASSIF ICATION FORMS THE BASIS FOR WATER-PROTECTION REQUIREMENTS FOR INDUSTRIAL PLANTS IN WHICH W ATER-HAZARDOUS SUBSTANCES ARE HANDLED. ***Title :*** ADMINISTRATIVE RULES CONCERNING WATER-HAZARDO US SUBSTANCES (VERWALTUNGSVORSCHRIFT WASSERGE FAEHRDENDE STOFFE) ***Reference :*** **GMSMA6, 8, 114, 1990** ***Effective Date :*** **Gemeinsames Ministerialblatt. Joint Ministerial Papers** ***Last Amendment :*** ***Entry / Update :*** DEC1991

Substance

Chemical Name :
Reported Name : **SODIUM MONOCHLOROACETATE**
CAS Number : **3926-62-3**

Area	*Type*	*Subject*	*Spec.*	*Description*	*Level / Summary Information :*
GBR	**REG**	**USE**	**PESTI**	**PRMT**	APPROVED AS A CONTACT HERBICIDE. SPECIFIC USE S, LIMITATIONS AND SAFETY PRECAUTIONS ARE LIS TED. ***Title :*** APPROVED PRODUCTS FOR FARMERS AND GROWERS 198 3 ***Reference :*** **APFG**, 89, 1983** ***Effective Date :*** **APPROVED PRODUCTS FOR FARMERS AND GROWERS** ***Last Amendment :*** ***Entry / Update :*** 1983

Substance

Chemical Name :
Reported Name : **sodium chloroacetate**
CAS Number : **3926-62-3**

Area	*Type*	*Subject*	*Spec.*	*Description*	*Level / Summary Information :*
RUS	**REG**	**AQ**	**SURF**	**MAC CLASS**	0.05MG/L HAZARD CLASS: II ***Title :*** ***Reference :*** ***Effective Date :*** 1JAN1989 ***Last Amendment :*** **SPNPV*, 4630-88, 1988** ***Entry / Update :*** JUL1990 **SANITARNYE PRAVILA I NORMY OKHRANY POVERKHNOSTNYKH VOD OT ZAGRIAZNENIA (HEALTH REGULATION AND STANDARDS OF SURFACE WATER PROTECTION FROM CONTAMINATION)**

Substance

Chemical Name :
Reported Name : **sodium monochloracetate**
CAS Number : **3926-62-3**

Area	Type	Subject	Spec.	Description	Level / Summary Information :
RUS	REG	AIR	OCC	CLASS	CLV: 0.5MG/M3 (AEROSOL) HAZ. CLASS: II

Title :

Reference : ***Effective Date :*** MAR1989

Last Amendment : **PDKAD*, 4952-89, 1989** ***Entry / Update :*** MAY1990

PREDELNO DOPUSTIMYE KONTSENTRATSII VREDNYKH VESHCHESTV V VOZDUKHE RABOCHEI ZONY (MAXIMUM ALLOWABLE CONCENTRATIONS OF HARMFUL SUBSTANCES IN OCCUPATIONAL AIR)

Substance

Chemical Name :
Reported Name : **SODIUM MONOCHLOROACETATE**
CAS Number : **3926-62-3**

Area	Type	Subject	Spec.	Description	Level / Summary Information :
RUS	REG	AIR	OCC	PSL	CLV: 1.0MG/M3 (AEROSOL)

Title :

Reference : ***Effective Date :*** APR1988

Last Amendment : **OBUVR*, 4613-88, 1988** ***Entry / Update :*** JUL1990

ORIENTIROVOCHNYE BEZOPASNYE UROVNI VOZDEISTVIYA (OBUV) VREDNYKHVESHCHESTV V VOZDUKHE RABOCHEI ZONY (TENTATIVE SAFE EXPOSURE LEVELS OF HARMFUL SUBSTANCES IN OCCUPATIONAL AIR)

Substance

Chemical Name :
Reported Name : **sodium chloroacetate**
CAS Number : **3926-62-3**

Area	Type	Subject	Spec.	Description	Level / Summary Information :
IMO	REC	TRNSP LABEL PACK	MARIN	CLASS	HAZARD CLASS: 6.1 = POISONOUS SUBSTANCE. PACK ING GROUP: III = MINOR DANGER (I=GREAT DANGER - III=MINOR DANGER). UN NO. 2659

Title :

Reference : ***Effective Date :***

Last Amendment : **!, IMCOC*, 10004, 1990** ***Entry / Update :*** JAN1991

International Maritime Dangerous Goods Code

Substance

Chemical Name :
Reported Name : **sodium chloroacetate**
CAS Number : **3926-62-3**

Area	*Type*	*Subject*	*Spec.*	*Description*	*Level / Summary Information :*
UN	**REC**	**TRNSP LABEL PACK**	**-**	**CLASS**	HAZARD CLASS: 6.1 = POISONOUS SUBSTANCE. PACK ING GROUP: III = MINOR DANGER (I=GREAT DANGER - III=MINOR DANGER). UN NO. 2659

Title :

Reference : ***Effective Date :***

Last Amendment : **!, UNTDG*, 15, 1989** ***Entry / Update :*** AUG1990

UN Transport of Dangerous Goods, Recommendation prepared by theCommittee of Experts on the Transport of Dangerous Goods