

US EPA ARCHIVE DOCUMENT

TECHNICAL SUPPORT SECTION TOXICOLOGY REVIEW - I

Disinfectants Branch

IN April 13 89 OUT April 20 89

Reviewed by Alex Arce Date April 20 89

EPA Reg. No. or File Symbol 8033-1

EPA Petition or EUP No. None

Date Division Received 4-13-89

Type Product(s): I, D, H, F, N, R, S For Manufacturing Use Only

Data Accession No(s). 410582- 01 to 07

Product Mgr. No. 32 Kempter

Product Name(s) Nisso SDIC-60

Company Name(s) Nippon Soda Co Ltd.

Submission Purpose Data review , label review , registration

Chemical & Formulation Granules

Active Ingredient(s):

Dichloro -s- triazinetrione

8

96

BACKGROUND

The product will be used as a product " Manufacturing use for Industry "

RECOMMENDATIONS

The data submitted are adequate to place the product tested in the following toxicity category:

	<u>STUDY</u>	<u>TOX CATEGORY</u>
	Acute Oral	<u>111</u>
	Acute Dermal	<u>111</u>
Data Gap	Acute Inhalation	<u>Not Submitted ; It is required</u>
	Skin Irritation	<u>111</u>
	Eye Irritation	<u>1</u>

CRP STATUS

This product ~~does~~/does not require special packaging

NOTE : This is a very strong oxidizing agent when in "Non Stable Conditions "

LABEL

Add the word " only " after the frase " For Industrial Use "

To Read " FOR INDUSTRIAL USE ONLY "

Add the words " Statement of "before " Practical Treatment " to read:

" STATEMENT OF PRACTICAL TREATMENT ".

Replace the word "flood " with the word " wash ".

Delete the word " milk/".

Delete the frase " and induce vomiting "

NOTE: The label does not reflect the toxicity found in the submitted " Acute Toxicity tests ". However , the product becomens Un-Stable repidly and turns into a potent oxidizing agent. Thus the signal word " Danger " is warranted.

DATA REVIEW

Test Laboratory: Wil Research Laboratories

Wil 133005

Acute Oral LD₅₀ CFR 81.1

Report date: Dec 3 88

MRID No. 410582-04

Method of Testing: CFR 81-1

Species: Rats

Sex: Male and female

Levels Tested: 577, 750 and 975 mg/kg

Age: Adults

No. Animals/dose: 5 m and 5 f

Weights: Acceptable

Via: Intubation

Material: Undiluted

Observation days: 14

Necropsy: all

Procedure

The rats were treated with the material by gavage in empty stomachs and observed for signs of toxicity and changes in body weights .

Results:

Signs of Toxicity : Lethargy , rales , urine stains

Body Weights : Lost at the mid and high dose levels

Mortality : 1 f at 577, 3 f and 1 m at 750 , 5 fem and 4 m at 975 mg/kg dose levels

Necropsy : Severe irritation of the G. I. tract.

Conclusion: The Acute Oral LD₅₀ is 769 (644-919) mg/kg combined

Core Minimum data

Toxicity Category: III

Acute Dermal LD₅₀ CFR 81.2

Project # 133006

Report Date: Oct 7 88 MRID No. 410582-05
Method of Testing: CFR 81-2
Species: Rabbits Levels Tested 2000 mg/kg
Sex: Male and female No./animals/dose 5 m and 5 f
Age: Adults Via: Occluded patch
Weight: Acceptable Observation days: 14
Material: Undiluted (wetted) Necropsy: All

Procedure The rabbits were treated with the material in previously clipped areas of the skin , contact time 24 in semi occluded areas and observed for signs of toxicity , changes in body weights and behavior .

Result

Signs of Toxicity: Soft feces , severe dermal irritation
Mortality: None
Body weights: Unremarkable changes
Necropsy: Severe dermal irritation

Conclusions: The Acute Dermal LD₅₀ is greater than 2000 mg/kg

Core Minimum data

Toxicity Category: III

Primary Eye Irritation

CFR 81.4

Wil 133008

Report Date: 09-29-88

MRID No.: 410582-06

Method of Testing CFR 81-4

Species: Rabbits Observation days: 7

Dose: ~~0.1 ml~~ (100 mg) Materials: Undiluted

No. of animals: 6 Via: Eye instillation

Areas: In one eye Necropsy: No

Procedure

The rabbits were treated with the material instilled into one eye , other eye served as control. Observations for signs of ocular irritation were performed , and the animals were monitored for 7 days

Results: severe Corneal opacity and Iritis developed 6/6

Conjunctival irritation was severe in 6/6

Eyes ~~and~~ cleared : Did not cleared

Core Minimum data

Toxicity Category: 1

Primary Skin Irritation

CFR 81.5

Wil 133007

Report Date: Dec 29 88 MRID No.: 410582
Method of Testing: CFR 81-5
Species: Rabbits Observation days: 72 hours
No. of animals 6 Material: Undiluted
Dose: 0.5 g Via: Occluded patch
Areas: back Necropsy: No

Procedure

The rabbits were treated with the material under a protective wrap for 4 hours.

Observations for signs of demal irritation lasted for 72 hours

Results: slight Irritation was found in 4/6 animals

Conclusion: The product is a mild skin irritant

Core Minimum data

Toxicity Category: III