

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

El Condor Form #1 3/88

pc 0814-4

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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: ~~0.1ml~~ (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