

Another way to answer the question!

Practical question two

- Secondary materials = bibliographic databases – developed to match the increased volume of primary materials = journal articles.
 - TOXNET - **collection of free databases**
 - Toxline – public
 - Medline – public
 - CISDOC – public
 - Biosis -- commercial
 - Embase – commercial
 - Chemical Abstracts – commercial
 - Web of Science – commercial

Toxnet: site is one of the most useful sites for toxicity information. The most helpful sections are generally the HSDB (Hazardous Substances Databank) and Toxline (abstracts from various documents) sections.

Practical question two

- "You work as an occupational physician for a specialized cleaning firm. They use cleaning agents that contain chloramine-T. After various reports of employees with asthma the firm asks your help in formulating a preventive policy.
-
- Specifically, they want to know if it is legally allowed to use chloramine-T and what are its TLV's. In addition they want to know what kind of interventions are most effective in decreasing the exposure of employees to the chemical".

- Name and identity of chemical, right name!!!
- Toxicological profile: Information on the substance.
- Information on health effects
- Legal information
- Scientific information => reviews, interventions and prevention measures etc.
- Assessment of information found to use it for risk assessment, evaluation, protection, prevention guidelines etc.

- **CAS number**
 - the substance 's unique number
- **Go to Toxnet**
 - can be found from PubMed pages :
www.pubmed.gov
 - or toxnet.nlm.nih.gov

Search strategy: In TOXNET click ChemIDplus

TOXNET - Microsoft Internet Explorer provided by Työterveyslaitos

Address <http://toxnet.nlm.nih.gov/>

United States National Library of Medicine

TOXNET

Toxicology Data Network

TOXNET PDA Access | SIS Home | About Us | Site Map & Search | Contact Us

Env. Health & Toxicology | TOXNET

TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases:

Select Database

- [ChemIDplus](#)
- [HSDB](#)
- [TOXLINE](#)
- [CCRIS](#)
- [DART](#)
- [GENETOX](#)
- [IRIS](#)
- [ITER](#)
- [LactMed](#)
- [Multi-Database](#)
- [TRI](#)
- [Haz-Map](#)
- [Household Products](#)
- [TOXMAP](#)

Search All Databases

Enter term(s) to search all databases.

[Search](#) [Clear](#) [Help](#)

TOXNET Search Options

- Search all databases: Enter term(s) in box above
- Search a specific database: Click database at left
- Database description: Click on the [?](#)

Env. Health & Toxicology

Portal to environmental health and toxicology resources

[VISIT SITE](#)

Support Pages

- ▶ [Help](#)
- ▶ [TOXNET FAQ](#)
- ▶ [TOXNET Update Status](#)
- ▶ [Fact Sheet](#)
- ▶ [Database Description](#)
- ▶ [Training Manuals](#)
- ▶ [News](#)

- Search for chemical names and CAS numbers in full or as fragments.
- You can also search for structures.
- **ChemIDplus** contains more than 367,000 substances.

Search strategy: In ChemIDplus type CHLORAMINE-T and search and get the following results =>

ChemIDplus Lite - Microsoft Internet Explorer provided by Työterveyslaitos

Address: <http://chem.sis.nlm.nih.gov/chemidplus/ProxyServlet?objectHandle=DBMaint&actionHandle=default&nextPage=jsp/chemidlite/ResultScreen.jsp&TXTSUPERLISTID=0001271>

National Library of Medicine
Specialized Information Services

ChemIDplus Lite Record

Search: CHLORAMINE-T

Chloramine-T
RN: 127-65-1

For more information about this substance, you may select from the the links below.

File Locator

- [CANCERLIT](#)
- [DSL](#)
- [EINECS](#)
- [EMIC](#)
- [GENETOX](#)
- [HSDB](#)
- [Haz-Map](#)
- [MEDLINE](#)
- [RTECS](#)
- [TOXLINE Core](#)
- [TOXLINE Special](#)
- [TSCAINV](#)

Search Navigation

- [Main Query Page](#)
- [Advanced ChemIDplus Search](#)

NIOSH ICSC

- Search results include information on nomenclature, structure and references to other databases.

Search strategy: From ChemIDplus go to EINECS etc

The screenshot shows a Microsoft Internet Explorer browser window displaying the EINECS website. The address bar shows the URL: http://ecb.jrc.it/esis-pgm/esis_reponse_self.php?GENRE=CASNO&ENTREE=127-65-1. The page title is "ESIS : European chemical Substances Information System" (Version 4.40). The navigation menu includes links for ESIS, EINECS, ELINCS, NLP, C & L, HPV-LPV, IUCLID DS, and ORATS. A search bar is present with a dropdown menu for "EC# (EINECS# / ELINCS# / NLP#)" and a "SEARCH" button. The search results are for CAS# 127-65-1. The page content is organized into sections: "General Information", "Classification and Labelling Information", and "Symbol(s) and Indication(s) of Danger".


General Information:

EC#	: 204-854-7
CAS#	: 127-65-1
Substance Name	: Tosylchloramide sodium
De	: Tosylchloramidnatrium
Es	: Tosilcloramida sodica
Fr	: Tosylchloramide sodique
Molecular Formula	: C7H8ClNO2S.Na

Classification and Labelling Information:

Annex I Index#	: 616-010-00-9
Substance Name in Annex 1	: + tosylchloramide sodium
Classification	: Xn; R22 - R31 - C; R34 - R42
Risk Phrases	: + R22 : Harmful if swallowed. : + R31 : Contact with acids liberates toxic gas. : + R34 : Causes burns. : + R42 : May cause sensitization by inhalation.
Safety Phrases	: + S12 : Keep locked up and out of the reach of children. : + S7 : Keep container tightly closed. : + S22 : Do not breathe dust. : + S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. : + S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection. : + S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Symbol(s) and Indication(s) of Danger:

 + C : Corrosive

ESIS (European chemical Substances Information System) by Rémi ALLANOU

Search strategy: From ChemIDplus go to HSDB

Address <http://toxnet.nlm.nih.gov/cgi-bin/sis/search/r?dbs+hsdb:@term+@rn+@rel+127-65-1>

Hazardous Substances Data Bank
HSDB

Download Details Other Files
Help

TOXNET Home
Item 1 of 1
NATIONAL LIBRARY OF MEDICINE

Contract all categories
Expand all categories
Select Clear

Contents

- FULL RECORD
- Human Health Effects
 - Human Toxicity Excerpts
 - Populations at Special Risk
 - Minimum Fatal Dose Level
- Emergency Medical Treatment
 - Emergency Medical Treatment
- Animal Toxicity Studies
 - Non-Human Toxicity Excerpts
 - Ecotoxicity Excerpts
 - Non-Human Toxicity Values
- Metabolism/Pharmacokinetics
 - Absorption, Distribution & Excretion
 - Mechanism of Action
 - Interactions
- Pharmacology
 - Interactions
 - Minimum Fatal Dose Level
- Chemical/Physical Properties
 - Molecular Formula

CHLORAMINE T
CASRN: 127-65-1
For other data, click on the Table of Contents

Human Toxicity Excerpts:

/HUMAN EXPOSURE STUDIES/ The provocation of occupational asthma by aerogenic exposure to commercial chloramine-T solution was described. A 36 year old female cleaner who had never smoked regularly presented with sneezing, bronchial coughing and dyspnea shortly after starting the use of a new disinfectant at work. She cleaned showers and saunas at a municipal indoor swimming pool using chloramine-T (Alinex) in a 10% solution. The disinfectant was sprayed on walls and floors with pressurized water. The temperature at the job was 30 deg C and the relative humidity was 50 to 80%. A provocative dose of chloramine-T was used in the testing at 2.0 micrograms. After 15 minutes the patient developed rhinorrhea, coughing, dyspnea and bronchial wheezes. Positive skin prick tests, RAST, bronchial provocation test results, adequate workplace exposure, and the onset of work related asthmatic symptoms confirmed the diagnosis.
[Kujala VM et al; Respiratory Medicine 89 (10): 693-5 (1995)]**PEER REVIEWED**

/HUMAN EXPOSURE STUDIES/ As a dust in air it is irritating to eyes, causing conjunctivitis, but no serious injury.
[Grant, W. M. Toxicology of the Eye. 2nd ed. Springfield, Illinois: Charles C. Thomas, 1974., p. 252]**PEER REVIEWED**

/HUMAN EXPOSURE STUDIES/ 7 brewery workers developed asthmatic symptoms after using Chloramine-T powder as sterilizing agent (0.25-2%). Positive wheal and flare reactions to skin-prick tests with solution of chloramine: no reaction in controls. Symptoms did not recur once men were removed from

Click to collapse

Start Cal... Dat... Che... BIA... Che... occ... Ama... Info... Que... HSD... 11:19

Search strategy: From HSDB go to human health effects in another site

<http://www.jtbaker.com/msds/englishhtml/C2167.htm>

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
None established.

Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):
For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.
WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible.
Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

[Gossett, R.L., H.C. Hodge, R.P. Smith, and M.W. Gleason. *Clinical Toxicology of Commercial Products*. 4th ed. Baltimore: Williams and Wilkins, 1976., p. II-76] **PEER REVIEWED**

5 G/KG,

Search strategy: From ChemIDplus to Toxline core. You can continue the automatically processed search by adding your own terms

Entrez PubMed - Microsoft Internet Explorer provided by Työterveyslaitos

Address: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=search&db=PubMed&term=toxicity+AND+\(~127-65-1\[RN\]+OR+~"\[MH\]\)](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=search&db=PubMed&term=toxicity+AND+(~127-65-1[RN]+OR+~)

NCBI PubMed A service of the National Library of Medicine and the National Institutes of Health

Search PubMed for `toxicity AND (~127-65-1[RN] OR ~"[MH])` Go Clear Save Search

Limits Preview/Index History Clipboard Details

Error in query. See [Details](#).

Display Summary Show 20 Sort by Send to

All: 91 Review: 4

Items 1 - 20 of 91 Page 1 of 5 Next

- 1: [Rintamäki-Kinnunen P, Rahkonen M, Mykra H, Valtonen ET.](#) Related Articles, Links
Treatment of ichthyophthiriasis after malachite green. II. Earth ponds at salmonid farms. *Dis Aquat Organ.* 2005 Aug 9;66(1):15-20. PMID: 16173963 [PubMed - indexed for MEDLINE]
- 2: [Krakowiak AM, Dudek W, Ruta U, Palczynski C.](#) Related Articles, Links
Occupational eosinophilic bronchitis without asthma due to chloramine exposure. *Occup Med (Lond).* 2005 Aug;55(5):396-8. PMID: 16040771 [PubMed - indexed for MEDLINE]
- 3: [Rintamäki-Kinnunen P, Rahkonen M, Mannermaa-Keranen AL, Suomalainen LR, Mykra H, Valtonen ET.](#) Related Articles, Links
Treatment of ichthyophthiriasis after malachite green. I. Concrete tanks at salmonid farms. *Dis Aquat Organ.* 2005 Apr 6;64(1):69-76. PMID: 15900690 [PubMed - indexed for MEDLINE]
- 4: [Panasiewicz M, Mieczkowski J, Domek H, Pacuszka T.](#) Related Articles, Links
HPLC-based procedure for the preparation of carbene-generating photoreactive GM3 and GM1 ganglioside derivatives radioiodinated to high specific radioactivity with chloramine T as an oxidant. *Anal Biochem.* 2005 Mar 15;340(2):272-5. No abstract available.

•Chloramine-T is not a Main Heading (MH) / a descriptor in PubMed.

Search strategy: When adding : AND allergy AND cleaning, you get

The screenshot shows the Entrez PubMed website in a Microsoft Internet Explorer browser. The address bar displays the URL: <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=search&DB=pubmed>. The search bar contains the query: `for [tox[sb] AND (~127-65-1[RN] OR "~"[MH]) AND aller`. Below the search bar, there is a red error message: "Error in query. See Details." The search results show one result: **1: [Int Arch Allergy Appl Immunol](#). 1981;64(4):422-7.** The article title is **Occupational asthma due to inhalation of chloramine-T. I. Clinical observations and inhalation-provocation studies.** The authors are **Dijkman JH, Vooren PH, Kramps JA.** The abstract text reads: "Respiratory symptoms developed in 5 patients who were exposed to chloramine-T, a potent disinfectant used in cleaning butcheries, kitchens, and operating theaters. Skin tests, performed in 4 patients, showed an immediate type of wheal and flare reaction followed by a late-type infiltrative reaction. In 3 patients, inhalation tests with chloramine-T were done. 1 patient showed asthmatic bronchial obstruction, immediately after inhalation, followed by a late-type asthmatic reaction after some hours. 2 patients only exhibited late-type reactions, 4-8 h after challenge. The late bronchial response lasted for several hours or even days and was accompanied by leukocytosis in all 3 patients and a slight fever in 1 patient. No evidence of alveolar involvement appeared. Pre-challenge inhalation of cromoglycate in 1 patient ameliorated the late response considerably." The PMID is 6782023 [PubMed - indexed for MEDLINE].

Search strategy: When removing previous terms on slide 36 and adding : AND regulations

Entrez PubMed - Microsoft Internet Explorer provided by Työterveyslaitos

Address: <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=search&DB=pubmed>

NCBI PubMed A service of the National Library of Medicine and the National Institutes of Health

My NCBI [Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for AND (~127-65-1[RN] OR '~'[MH]) AND regulations Go Clear Save Search

Limits Preview/Index History Clipboard Details

Error in query.
See [Details](#).

Display Abstract Show 20 Sort by Send to

All: 1 Review: 0

1: [Lakartidningen](#). 1989 Nov 29;86(48):4262-4. Related Articles, Links

[A patient with IGE-mediated allergy to chloramine T received occupational injury compensation]

[Article in Swedish]

[Blomqvist A](#), [Sundell L](#), [Axelsson G](#).

Publication Types:

- [Case Reports](#)

PMID: 2531824 [PubMed - indexed for MEDLINE]

Display Abstract Show 20 Sort by Send to

Start Cal... Dat... Che... BIA... Che... occ... Ama... Info... Que... Entr... 11:55

- **International Chemical Safety Cards (ISCS)**
- summarizes essential health and safety information on chemicals for their use at the "shop floor" level by workers and employers in factories, agriculture, construction and other work places.
- <http://www.ilo.org/public/english/protection/safework/cis/products/icsc/dtasht/index.htm>
- **ISCS cards** are in 18 languages and found from NIOSH pages :
- <http://www.cdc.gov/niosh/ipcs/icstart.html>

Search strategy: From ICSC cards

ICSC 0413 - CHLORAMINE-T - Microsoft Internet Explorer provided by Työterveyslaitos

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites

Address http://www.ilo.org/public/english/protection/safework/cis/products/icsc/datasht/_icsc04/icsc0413.htm Go Links >>

Eyes	Redness, Pain.	Safety goggles or eye protection in combination with breathing protection if powder.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Nausea, Vomiting, Diarrhoea.	Do not eat, drink, or smoke during work.	Rinse mouth. Give plenty of water to drink. Refer for medical attention.
SPILLAGE DISPOSAL		PACKAGING & LABELLING	
Personal protection: P2 filter respirator for harmful particles. Do NOT let this chemical enter the environment. Sweep spilled substance into covered containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place.		C Symbol R: 22-31-34-42 S: (1/2-)7-22-26-36/37/39-45 UN Hazard Class: 8 UN Pack Group: III	
EMERGENCY RESPONSE		SAFE STORAGE	
Transport Emergency Card: TEC (R)-80GC10-II+III		Separated from acids, food and feedstuffs.	
IMPORTANT DATA			
Physical State; Appearance WHITE SOLID IN VARIOUS FORMS, WITH CHARACTERISTIC ODOUR.		Routes of exposure The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.	
Chemical dangers May explode on heating above 150°C (anhydrous). The substance decomposes slowly under the influence of air producing chlorine (trihydrate). The substance decomposes on heating or on contact with acids producing toxic gases.		Inhalation risk A harmful concentration of airborne particles can be reached quickly when dispersed, especially if powdered.	
Occupational exposure limits TLV not established. MAK not established.		Effects of short-term exposure The substance is severely irritating to the eyes, the skin and the respiratory tract.	
		Effects of long-term or repeated exposure Repeated or prolonged contact may cause skin sensitization. Repeated or	

Occupational Exposure Limits not included in Toxnet

http://europe.osha.eu.int/good_practice/risks/ds/oel/nomembers.stm

PDF is found: Preparation of the EU Commission Indicative occupational Exposure Limit values

http://europa.eu.int/comm/employment_social/health_safety/docs/oels_en.pdf

The screenshot displays the Adobe Reader interface with a PDF document open. The document title is "Adobe Reader - [oels_en.pdf]". The search panel on the right indicates that the search for "127-65-1" is complete, with 0 instances found. The main content of the PDF is a table titled "INDICATIVE OCCUPATIONAL EXPOSURE LIMIT VALUES".

Einecs No.	CAS No.	Name of agent	Directive	8h TWA		STEL		Notation
				mg/m ³	ppm	mg/m ³	ppm	
2 001 933	54-11-5	Nicotine	91/322	0.5	—	—	—	—
200-467-2	60-29-7	Diethylether	2000/39	308	100	616	200	—
2 005 791	64-18-6	Formic acid	91/322	9	5	—	—	—
2 005 807	64-19-7	Acetic acid	91/322	25	10	—	—	—
2 006 596	67-56-1	Methanol	91/322	260	200	—	—	—
200-662-2	67-264-1	Acetone	2000/39	1 210	500	—	—	—
200-663-8	67-66-3	Chloroform	2000/39	10	2	—	—	Skin
200-756-3	71-55-6	1,1,1-Trichloroethane	2000/39	555	100	1 110	200	—
200-834-7	75-04-7	Ethylamine	2000/39	9.4	5	—	—	—
2 008 352	75-05-8	Acetonitrile	91/322	70	40	—	—	—
200-863-5	75-34-3	1,1-Dichloroethane	2000/39	412	100	—	—	Skin
200-870-3	75-44-5	Phosgene	2000/39	0.08	0.02	0.4	0.1	—
200-871-9	75-45-6	Chlorodifluoro-methane	2000/39	3 600	1 000	—	—	—
201-159-0	78-93-3	Butanone	2000/39	600	200	900	300	—
201-176-3	79-09-4	Propionic acid	2000/39	31	10	62	20	—
2 018 659	88-89-1	Picric acid	91/322	0.1	—	—	—	—
2 020 495	91-20-3	Naphtalene	91/322	50	10	—	—	—

CISDOC database – not included in Toxnet

CISDOC - Occupational Safety and Health Database - Microsoft Internet Explorer

International Labour Organization
International Occupational Safety and Health Information Centre (CIS)

Query definition

Thesaurus
Personalization

User:
Guest

French
Spanish

18 records found. Click Display to see them.
ANY("Chloramine T" or "CAS 127 65 1")

Search history

008 000018 "Chloramine T" or "CAS 127-65-1"
007 000018 "Chloramine T"
006 000013 "CAS 127-65-1"
005 000241 CAS 127-65-1
004 000405 127-65-1
003 000009 127-65-1
002 000002 trichloramine
001 000007 Chloramine-t

Store the current query as

Retrieve a stored query
asbestos

Results from CISDOC

Books found from CISDOC!!!!

Result 1:

- CIS Number: 02-1854
- Record number: 100954
- Authors (personal): Héry M., Domier G.
- Title: Chloramines in swimming pools and in the food industry
- Descriptive phrase: Information note on the prevention of health hazards due to chloramines in swimming pools and in the food industry (France), 2000
- Other language title(s): FR: Chloramines dans les piscines et l'alimentaire.
- Series numbering: INRS ED 5007
- Bibliographic information: Institut national de recherche et de sécurité, 30 rue Olivier-Noyer, 75680 Paris Cedex 14, France, Sep. 2000. 4p. Illus. 7 ref. Can also be found on the site: <http://www.inrs.fr/products/>
- Document language(s): French
- Year of document: 2000
- Abstract: Thanks to its outstanding bactericidal properties, its low cost and the ease of use of some of its compounds, chlorine is widely used as a disinfectant. In recent years, a large number of questions were addressed to the French National research and safety institute for the prevention of occupational accidents and diseases (INRS) by workers engaged in activities using chlorine, in particular in swimming pools and in the food industry. This information sheet was prepared in order to provide answers to the concerns of workers exposed to chlorine and who are often subject to eye or respiratory irritation. Contents: chlorine chemistry and the formation of chloramines, substances which the primary irritants; determination of chloramines in swimming pools and in the food industry; current activities of INRS and its collaborating organizations; protective measures that need to be implemented in swimming pools and in the food industry.
- Descriptors (primary): France; **chloramine**; chlorine; disinfectants; food industry; irritants; swimming pools
- Descriptors (secondary): chemical reactions; data sheet; javel water; public OSH institutions; sampling and analysis; washing
- CAS Registry Number(s): **CAS 127-85-1**; CAS 7782-50-5
- Author country: France
- Document type: F (Information notes, codes of practice, standards)
- Subject code: 005 (Chemical safety)
- Category code: 120 (Toxic and dangerous substances)

Result 2:

- CIS Number: 97-1995
- Record number: 70190
- Authors (corporate): Health and Safety Executive
- Title: Asthmagen? Critical assessments of the evidence for agents implicated in occupational asthma
- Descriptive phrase: Critical assessments of the evidence for agents implicated in occupational asthma (United Kingdom), 1997
- Bibliographic information: HSE Books, P.O. Box 1999, Sudbury, Suffolk CO10 6FS, United Kingdom, 1997. 94p. (loose-leaf binder). Bibl.ref Price: GBP 25.00.
- ISBN: 0-7176-1465-4
- Document language(s): English
- Year of document: 1997
- Abstract: This document provides data on 29 substances considered to meet European Union criteria for classification as a respiratory sensitizer (a cause of asthma). Data on three further substances considered not to meet these criteria are also presented. Results of studies providing evidence of work-related asthma are summarized along with supporting data. It is intended that assessments of the asthmagenic potential of other industrial chemicals and substances of biological origin will be added in due course.
- Descriptors (primary): United Kingdom; asthma; sensitizers
- Descriptors (secondary): Crustacea; allergy tests; azo compounds; azodicarbonamide; castor beans; **chloramine**; chromium; cobalt; colophony; criteria document; dyes; epidemiologic study; ethylenediamine; experimental animals; formaldehyde; hardwoods; hydralazine; hypersensitivity; isocyanates; latex; literature survey; maleic anhydride; methyl methacrylate; methyl tetrahydrophthalic anhydride; papain; penicillin; persulfates; phthalic anhydride; piperazine; platnates; proteins; softwoods; soldering flux; spramycin; tetrachlorophthalic anhydride; trimellitic anhydride; wood dust
- CAS Registry Number(s): CAS 107-15-3, CAS 108-31-6, CAS 110-85-0, CAS 11070-44-3, CAS 117-09-8, CAS 123-77-3, **CAS 127-85-1**, CAS 50-00-0, CAS 582-30-7, CAS 7440-47-3, CAS 7440-48-4, CAS 80-82-6, CAS 8025-81-8, CAS 8050-09-7, CAS 85-44-9, CAS 86-54-4, CAS 8001-77-4
- Author country: United Kingdom
- Document type: E (Books, reports, proceedings)
- Subject code: 005 (Chemical safety)
- Category code: 120 (Toxic and dangerous substances)

Summary of results

- Chloramine-T is allowed to be used.
-
- **EINECS:** This chemical substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.
- There is no established TLV for chloramine-T
- Preventive measures are found in HSDB and in EU ESIS safety phrases and in International Chemical safety cards (IPCS).

Euroworksafe – a site of occupational cancer



Last update: 05/05/2004

WORKsafe



Welcome **generic visitor!**

[EXIT FREE TOUR](#)

HOME

[Main Page](#)

THEMATIC AREAS

- Legislation
- Prevention
- Accidents
- Substances
- Workplaces
- Health risks
- Training
- Links

SERVICES

- Forum
- FAQ
- Site map
- Glossary



The high risks of activities involving the use of toxic and noxious substances have been studied for long time. Much information about this subject has been collected throughout Europe by EU and national public institutions. Based on this background knowledge, the WORKSAFE project will define suitable pan-European meta-data and information models and management services to allow semantic-based access and exploitation of existing information sources and data collections in several EU countries. This activity will require the analysis of different national standards and formats performed with the cooperation of several research centres and the Information Technology (IT) experts participating to the project. The partners will also discuss and solve organisational, institutional and administrative problems and barriers for using the data, including copyrights issues.

A web-based infrastructure will be designed and implemented to allow inter-networking of content providers and content users, the exploitation of content potentials, the demonstration of public access and sharing of distributed data collections. The web based infrastructure will allow knowledgesharing on top of a meta-data model specifically defined and will be the basis for a set of network services which will support the actual diffusion and exploitation of contents among the different providers and end-users. The definition and development of the services will be driven by the needs of the users and by the exploitation opportunities, which will be raised by the improved accessibility of information. A demonstration phase will be implemented to assess the potentials of the developed data collection and services.



Expert consult

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