



chemists helping chemists in research & industry

aldrich chemical co.

P.O. Box 355, Milwaukee, Wisconsin 53201 USA • (414) 273-3850

ATTN: SAFETY DIRECTOR
SCHOOLCRAFT COLLEGE
PURCHASING DEPT
18600 HAGGERTY RD
LIVONIA
MARGARET JUDD

MI 48152

DATE: 03/10/87
CUST # 938609 P.O. #

M A T E R I A L S A F E T Y D A T A S H E E T

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IDENTIFICATION

PRODUCT # 20964-3 NAME: SELENIUM, PELLETS, <4MM, 99.99+
CAS # 7782-49-2

TOXICITY HAZARDS

RTECS # VS7700000

SELENIUM

TOXICITY DATA

ORL-RAT LD50:6700 MG/KG

IVN-RAT LD50:6 MG/KG

TXAPA9 20,89,71

AMIHBC 4,458,51

REVIEWS, STANDARDS, AND REGULATIONS

OSHA STANDARD-AIR:TWA 0.2 MG(SEI)/M3 FEREAC 39,23540,74

REPORTED IN EPA TSCA INVENTORY, 1983

EPA TSCA SECTION 8(E) STATUS REPORT 8EHQ-0680-0345

"NIOASH MANUAL OF ANALYTICAL METHODS" VOL 1 124, VOL 3 S190 NIMAM*

"NIOASH MANUAL OF ANALYTICAL METHODS" TO BE REVISED BY JUNE, 1985

"NIOASH MANUAL OF ANALYTICAL METHODS, 3RD ED." SEE: METHOD 7300

MEETS CRITERIA FOR PROPOSED OSHA MEDICAL RECORDS RULE FEREAC 47,30420,
82

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS)
DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION

HEALTH HAZARD DATA

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.

EXPOSURE CAN CAUSE:

STOMACH PAINS, VOMITING, DIARRHEA.

COUGHING, CHEST PAINS, DIFFICULTY IN BREATHING.

LUNG IRRITATION

DERMATITIS

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED
CLOTHING AND SHOES.

ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS
WITH FINGERS.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT,
GIVE OXYGEN.

CALL A PHYSICIAN.

DISCARD CONTAMINATED CLOTHING AND SHOES.

PHYSICAL DATA

MELTING POINT: 217 C

SPECIFIC GRAVITY: 4.810

FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA

USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.
NONCOMBUSTIBLE.

USA
Aldrich Chemical Co., Inc.
940 West Saint Paul Avenue
Milwaukee, Wisconsin 53233
Telephone: (414) 273-3850
TWX: (910) 262-3052 Aldrichem MI
Telex: 26 843 Aldrich MI
FAX: (414) 273-4979

Belgium
Aldrich Chemie N.V./S.A.
6 Rue Caporal Craes
B-1030 Brussels
Telephone: (02) 2428750
Telex: 62302 Aldrich B

France
Aldrich-Chimie S.a.r.l.
27, Fossé des Treize
F-67000 Strasbourg
Telephone: (88) 327010
Telex: 890076 Aldrich F
FAX: (88) 751283

Japan
Aldrich Japan
Kyodo Bldg. Shinkanda
10 Kanda-Mikuracho
Chiyoda-Ku, Tokyo
Telephone: (03) 258-0155
FAX: (03) 258-0157

United Kingdom
Aldrich Chemical Co. Ltd
The Old Brickyard, New Road
Gillingham, Dorset SP8 4JL
Telephone: (07476) 2211
Telex: 417238 Aldrich G
FAX: (07476) 3779

West Germany
Aldrich-Chemie GmbH & Co. KG
D-7924 Steinheim
Telephone: (07129) 87-0
Telex: 714838 Aldrich D
FAX: (07329) 87-39



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CATALOG # 20964-3

NAME: SELENIUM, PELLETS, <4MM, 99.99+%

SPECIAL FIRE FIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSION HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

----- REACTIVITY DATA -----

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

AVOID CONTACT WITH ACID.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES

----- SPILL OR LEAK PROCEDURES -----

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

EVACUATE AREA.

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY

RUBBER GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

WASTE DISPOSAL METHOD

MATERIAL IN THE ELEMENTAL STATE SHOULD BE RECOVERED FOR REUSE OR RECYCLING.

OBSERVE ALL FEDERAL, STATE & LOCAL LAWS.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

CHEMICAL SAFETY GOGGLES.

OSHA/MSHA-APPROVED RESPIRATOR.

LONG RUBBER OR NEOPRENE GAUNTLET GLOVES.

IMPERVIOUS PROTECTIVE CLOTHING.

SAFETY SHOWER AND EYE BATH.

USE ONLY IN A CHEMICAL FUME HOOD.

AVOID CONTACT AND INHALATION.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

READILY ABSORBED THROUGH SKIN.

TOXIC.

KEEP TIGHTLY CLOSED.

----- ADDITIONAL PRECAUTIONS AND COMMENTS -----

NOT APPLICABLE

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USA
Aldrich Chemical Co., Inc.
940 West Saint Paul Avenue
Milwaukee, Wisconsin 53233
Telephone (414) 273-3850
TWX (910) 282 3052 Aldrich MI
Telex 26 843 Aldrich MI
FAX (414) 273-4870

Belgium
Aldrich Chemie N.V./S.A.
8 Rue Caporal Claes
B-1030 Brussels
Telephone (02) 2426750
Telex 82302 Alchem B

France
Aldrich Chimie S.a.r.l.
27, Fosse des Treux
F-67000 Strasbourg
Telephone (86) 327010
Telex 890076 Aldrich F
FAX (86) 75 12 63

Japan
Aldrich Japan
Kyodo Bldg. Shinjuku
10 Kanda-Maui-cho
Chiyoda-Ku, Tokyo
Telephone (03) 256-0156
FAX (03) 256-0157

United Kingdom
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The Old Brickyard, New Road
Gillingham, Dorset SP6 4JL
Telephone (07476) 2211
Telex 417238 Aldrich G
FAX (07476) 3779

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Aldrich Chemie GmbH & Co. KG
D-7824 Steinheim
Telephone (07329) 87 0
Telex 714838 Aldr. D
FAX (07329) 87 36