

MATERIAL SAFETY DATA SHEET

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
IDENTIFICATION OF SUBSTANCE	SELENIUM DIOXIDE
SYNONYMS	NONE
NAME OF THE MANUFACTURER/ SUPPLIER	OMKAR SPECIALITY CHEMICALS LTD.
ADDRESS FOR CORRESPONDENCE	W92 (A), MIDC, Badlapur (E), Dist.Thane – 421503 State: Maharashtra (India)
TEL.NO.:	912512690651/2691602/2697319
FAX NO.:	912512691572
EMAIL ID:	info@omkarchemicals.com
SECTION 2 : COMPOSITION AND INFORMATION ON INGREDIENT	
CHEMICAL NAME	SELENIUM DIOXIDE
CAS NO.	7446 – 08 04
EINECS NO	2311947

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Corporate Office : B34, M.I.D.C., Badlapur (E). Dist. Thane, Maharashtra, India. Pin – 421503 Tel. : + 9125126973 40/ 2690651

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Fax : + 91 – 251 –26973 47/ 2691572 Web. : www.omkarchemicals.com Email : omkarchem@vsnl.com / info@omkarchemicals.com

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CHEMICAL NAME	SELENIUM DIOXIDE
CAS NO.	7446 – 08 04
EINECS NO.	2311947
RTECS NO.	VS 8575000
HAZARD LABEL	TOXIC

SECTION 3 : HAZARD IDENTIFICATION	
APPEARANCE	WHITE TO OFFWHITE POWDER
TARGET ORGANS	HEART, LIVER, KIDNEY

POTENTIAL HEALTH EFFECTS	
EYE	CAUSES SEVERE IRRITATION.
SKIN	CAUSES SEVERE IRRITATION. MATERIAL IS IRRITATING TO MUCORES MEMBRANCES. CAN CAUSE DERMATITIS.
INGESTION	IS INVARIABLY FATAL, STUPOR, RESPIRATORY DEPRESSION & DEATH CAN RESULT SEVERAL HOURS AFTER POST INGESTION.
INHALATION	MAY BE FATAL, IF INHALED. IRRITATING TO UPPER RESPIRATORY TRACT, CHRONIC CONTACT WITH THIS PRODUCT MAY CAUSE GARLIC ODOUR OF BREATH & SWEAT.

DALLOR NERVOUNESS, DEPRESSION, DIGESTIVE DISTURBANCES HAVE BEEN



OMKAR Speciality Chemicals Ltd.

ALWAYS REMOVE CONTAMINATED CLOTHINGS, SHOES, SAFETY EQUIPMENTS AND WASH, CLEAN & DRY BEFORE REUSE.

ALWAYS SEEK MEDICAL AID IMMEDIATELY. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. CONSULT NEAREST POISON CONTROL CENTRE OR PHYSICIAN WHO IS FAMILIAR WITH CHEMICALS & ITS AFTER EFFECTS. ALL FIRST AID PROCEDURES SHOULD BE PERIODICALLY REVIEWED BY AN EXPERIENCED.

SECTION 5 : FIRE – FIGHTING MEASURES

SECTION 6 : ACCIDENTAL RELEASE MEASURES

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SECTION

SECTION 2 : COMPOSITION AND INFORMATION ON INGREDIENT HANDLING & STORAGE

Regd Office	SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
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SECTION
PHYSICAL

CHEMICAL PROPERTIES	CHEMICAL STABILITY	: STABLE UNDER NORMAL STORAGE CONDITIONS.
	CONDITIONS TO AVOID	: MOISTURE, INCOMPATIBLE MATERIALS, HEAT, FLAME, SOURCES OF IGNITION.
	INCOMPATIBILITY WITH	: KETONES, REDUCING AGENTS, ORGANIC MATERIALS, FINELY POWDERED METAL, PHENYL HYDRAZINE ETC.
	HAZARDOUS DECOMPOSITION PRODUCTS	: SELENIUM/SELENIUM OXIDES.
	SHIPPING NAME	SELENIUM COMPOUND, SOLID, N.O.S
	HAZARD LABEL	T

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SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICITY DATA WITH REFERENCE

mrc – bcs – 10 mmol/L MUREAV 77,109,80 scu – grb – TDLO : 5600 mg / kg (1 D male) : REP JRMSAS 85,297,65 ihl – rbt – LCLO : 5890 mg / m³/ 20M NTIS xx PB 158508 scu – rbt LD50 : 4 mg/kg CTO X AO 17,171,80 scu – grb – LDLO : 7500 mg/kg JRMSAS 85,297,65 ih ldom – LCLO : 6590 mg/ m³/10M NTIS xx PB 158508 REPORTED IN THE TSCA INVENTORY OSHA PEL : TWA 0.20 mg(se) /m³ ACGIH TLV : TWA 0.20 mg (se) / m³ DFG MAK : 0.1 mg(se) / M3

OCCUPATIONAL EXPOSURE HAS CAUSED PALLOR, NERVOUSNESS, DEPRESSION, GARLIC ODOUR OF BREATH & SWEAT ; GASTROINTESTINAL DISTURBANCES, DERMATITIS . LIVER DAMAGE IN EXPERIMENTAL ANIMALS.

SKIN LESIONS, BRITTLE NAILS WITH SPOTS & STREAKS, PAIN , HYPERREFLEXIA. SELENOSIS IN HUMANS HAS OCCURRED FROM INGESTION OF 3.2 mg SELENIUM PER DAY.

SECTION 12 : ECOLOGICAL INFORMATION

NO DATA AVAILABLE. HOWEVER DO NOT RELEASE MATERIAL TO ENVIRONMENT WITHOUT PRIOR GOVERNMENTAL PERMITS.

SECTION : 13 DISPOSAL CONSIDERATIONS

CHEMICAL WASTE GENERATORS MUST DETERMINE WHETHER DISCARDED CHEMICAL WASTE IS CLASSIFIED AS A HAZARDOUS WASTE. US – EPA GUIDELINES FOR THE CLASSIFICATION DETERMINATION ARE LISTED IN 40 CFR PARTS 261.3. ADDITIONALLY, WASTE GENERATORS MUST CONSULT STATE AND LOCAL HAZARDOUS WASTE REGULATIONS TO ENSURE COMPLETE AND ACCURATE CLASSIFICATION.

SECTION : 14 TRANSPORT INFORMATION

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SECTION : 15 REGULATORY INFORMATION

SELENIUM & ITS COMPOUNDS ARE ON THE COMMUNITY RIGHT TO KNOWLIST. REPORTED IN EPA TSCA INVENTORY. EPA GENETIC TOXICOLOGY PROGRAMME

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HAZARDOUS DECOMPOSITION PRODUCTS	: SELENIUM/SELENIUM OXIDES.

PLEASE REFER TO SECTION 3,4 & 8

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SECTION : 16 ADDITIONAL INFORMATION

THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING OF MATERIAL BY A PERSON TRAINED IN CHEMICAL HANDLING. THE USER IS RESPONSIBLE FOR DETERMINING THE PRECAUTIONS & DANGERS OF THIS CHEMICAL FOR HIS OR HER PARTICULAR APPLICATION DEPENDING ON USAGE. ADEQUATE PROTECTIVE CLOTHING, INCLUDING EYE / FACE GUARDS, APPROVED RESPIRATORS MUST BE USED TO AVOID CONTACT WITH THE MATERIAL OR BREATHING CHEMICAL VAPOURS / FUMES.

EXPOSURE TO THIS PRODUCT MAY CAUSE ADVERSE HEALTH EFFECTS. THIS CHEMICAL MAY INTERACT WITH OTHER SUBSTANCES. SINCE THE POTENTIAL USES ARE SO VARIED, M/S. OMKAR SPECIALITY CHEMICALS PVT. LTD. CANNOT WARN OF ALL OF THE POTENTIAL DANGERS OF USE OR INTERACTION WITH CHEMICALS OF MATERIALS. M/S. OMKAR SPECIALITY CHEMICALS PVT. LTD. WARRANTS THAT, THE CHEMICAL MEETS THE SPECIFICATIONS SET FORTH ON THE TEST REPORT.

M/S. OMKAR SPECIALITY CHEMICALS PVT. LTD. DISCLAIMS ANY OTHER WARRANTIES EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

THE USER SHOULD RECOGNISE THAT, THIS PRODUCT CAN CAUSE SEVERE INJURY, ESPECIALLY IF IMPROPERLY HANDLED OR THE KNOWN DANGERS OF USE ARE NOT HEDED.

“READ ALL PRECAUTIONARY INFORMATIONS. “
