



514, 6th Floor, Adamji Bldg., 413, Narshi Natha Street, Mumbai - 400 009. (INDIA).

Tel. : 0091-22-2343 9093 | Fax : 0091-22-6634 9992 | E-mail : info@hajexports.com | Web : www.hajexports.com

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	ZIRCONIUM OCTOATE 12 %
PRODUCT IDENTIFICATION NUMBER	ZR. OT
MANUFACTURER/SUPPLIER	Haj Exports. 6 th Floor, 514 Adamji Bldg, 413 Narsi Natha Street, Mumbai – India. Pin: 400 009. Telephone: (91-22) 23439093 / Fax: (91-22) 66349992 E- Mail: INFO@HAJEXPORTS.COM
MSDS PREPARED BY	SAFETY AND HEALTH
CHEMICAL NAME	ORGANOMETALLIC COMPOUND
MOLECULAR WEIGHT RANGE	377 AVERAGE
PRODUCT USE	PAINT DRIER/CATALYST

2. COMPOSITION INFORMATION ON INGREDIENTS

(TYPICAL COMPOSITION IS GIVEN AND IT MAY VARY. A CERTIFICATE OF ANALYSIS CAN BE PROVIDED)

NON VOLATILE MATTER %

35 - 45 %

COMPONENTMETALLIC COMPLEX OF 2-ETHYL
HEXANOIC ACID**MINERAL TURPENTINE OIL %**

55 - 65 %

3. CHEMICAL CLASSIFICATION

IMCO NUMBER : NONE KNOWN

IMCO CODE : NONE KNOWN

UN NUMBER : NONE KNOWN

UN PACKAGE : NONE KNOWN



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4. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE	INHALATION, INGESTION AND DERMAL
LOCAL EFFECTS	MANGANESE OCTOATE IS PRIMARY SKIN IRRITANT. MAY CAUSE SKIN DEFATTING WITH PROLONGED EXPOSURE. PROLONGED EXPOSURE MAY DRY THE SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING, DRYING, CRACKING AND SKIN DAMAGE. PRE-EXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.
EFFECTS OF OVEREXPOSURE SHORT TERM	VAPOUR CONCENTRATIONS ABOVE RECOMMENDED EXPOSURE MAY MAY BE IRRITATING TO THE EYES & RESPIRATORY TRACT. MAY CAUSE HEADACHE AND DIZZINESS. COULD BE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.
EFFECTS OF OVEREXPOSURE LONG TERM	EXPOSURE TO ZIRCONIUM COMPOUNDS BY INHALATION AND SKIN CONTACT MAY CAUSE SENSITIZATION.
TOXICITY DATA	NO DATA AT THIS TIME
ECOTOXICOLOGICAL INFORMATION	NO DATA AT THIS TIME

5. FIRST- AID MEASURES

INHALATION	USING PROPER RESPIRATORY PROTECTION EQUIPMENTS, IMMEDIATELY REMOVE THE AFFECTED VICTIM FROM EXPOSURE AND ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. KEEP AT REST. CALL FOR PROMPT MEDICAL ATTENTION.
EYES	FLUSH EYES WITH LARGE AMOUNTS OF WATER UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.
SKIN	FLUSH WITH LARGE AMOUNT OF WATER. USE SOAP IF AVAILABLE. REMOVE GROSSLY CONTAMINATED CLOTHING AND SHOES AND LAUNDER THEM BEFORE REUSE.
INGESTION	IF SWALLOWED, DO NOT INDUCE VOMITING. KEEP AT REST. GET PROMPT MEDICAL ATTENTION.

6. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, FOAM
SPECIAL FIRE-FIGHTING PROCEDURES	WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE



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7. ACCIDENTAL RELEASE MEASURES

VENTILATION	PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S)
RESPIRATORY PROTECTION	APPROPRIATE RESPIRATORY PROTECTION EQUIPMENT SHALL BE WORN WHEN APPLIED ENGINEERING CONTROLS ARE NOT ADEQUATE TO PROTECT AGAINST INHALATION EXPOSURE.
PROTECTIVE GLOVES	CHEMICAL RESISTANT GLOVES.
EYE AND FACE PROTECTION	WEAR SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL GOGGLES.
OTHER PROTECTIVE EQUIPMENT'S	MINIMIZE SKIN CONTACTS BY WEARING LONG-SLEEVED SHIRT, GLOVES AND TROUSERS FOR ROUTINE PRODUCT HANDLING.

8. HANDLING AND STORAGE

HANDLING	KEEP CONTAINER CLOSED WHEN NOT IN USE. USE ONLY IN A WELL-VENTILATED AREA. AVOID CONTACT WITH SKIN AND EYES. KEEP AWAY FROM FOOD AND SMOKING.
STORAGE	KEEP CONTAINER AND STORAGE CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS OR OPEN FLAMES.
CORROSIVENESS	THIS MATERIAL IS NOT CORROSIVE
ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	TAKE MEASURES TO MINIMIZE THE EFFECT ON THE GROUND WATER. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. RECOVER BY PUMPING (USE AN EXPLOSION PROOF HAND PUMP) OR WITH A SUITABLE ABSORBENT. IF LIQUID IS TOO VISCOUS FOR PUMPING SCRAPE UP WITH SHOVELS OR PAILS AND PLACE IN SUITABLE CONTAINERS FOR RECYCLING OR DISPOSAL.
DISPOSAL METHOD	AS LOCAL REGULATIONS MAY VARY ALL WASTE MUST BE DISPOSED / RECYCLED / RECLAIMED IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. DO NOT DUMP INTO ANY SEWERS ON THE GROUND OR INTO ANY BODY OF WATER.
EXTINGUISHING MEDIA	USE FOAM, DRY CHEMICAL OR WATER SPRAY TO EXTINGUISH FIRE. WATER SPRAY CAN BE USED TO COOL ADJACENT SURFACE.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	CLEAR LIQUID
COLOR	YELLOW
ODOUR	MILD
SPECIFIC GRAVITY AT 30° C.	0.97 ± 0.2
VISCOSITY (BY B-4 CUP AT 30° C)	MAX 20 SEC.
PH	NEUTRAL
TOTAL METAL CONTENT	12 % ± 0.2%
NON VOLATILE MATTER AT 120° C.	35 - 45 %
STABILITY	STABLE



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10. OTHER INFORMATION

THE INFORMATION CONTAINED HEREIN IS BASED ON CURRENT KNOWLEDGE AND EXPERIENCE. NO RESPONSIBILITY IS ACCEPTED THAT THE INFORMATION IS SUFFICIENT OR CORRECT IN ALL CASES. USERS SHOULD CONSIDER THESE DATA ONLY AS A SUPPLEMENT TO OTHER INFORMATION. USERS SHOULD MAKE INDEPENDENT DETERMINATION OF SUITABILITY AND COMPLETENESS OF INFORMATION FROM ALL SOURCES TO ENSURE PROPER USE AND DISPOSAL OF THESE MATERIALS, THE SAFETY AND HEALTH OF EMPLOYEES AND CUSTOMERS, AND THE PROTECTION OF THE ENVIRONMENT.

11. TOXICOLOGICAL INFORMATION

LD 50 (RAT ORAL) : 200 MG PER KG AS COBALT

12. ECOLOGICAL INFORMATION

NO DATA HAS BEEN MEASURED ON THIS PRODUCT.

13. DISPOSAL CONSIDERATIONS

PRODUCT/ PACKAGING RECOMMENDATIONS

VIA A REPUTABLE CHEMICAL DISPOSAL COMPANY, COMPLYING WITH CURRENT LEGAL REQUIREMENTS. WITHIN THE EEC, THE COMPOUND(S) LISTED BELOW ARE REGARDED AS SPECIAL WASTE UNDER THE "CONTROL OF POLLUTION (SPECIAL WASTE) REGULATIONS 1980.

14. TRANSPORT INFORMATION

UN NO.	NA
ADR/RID- ROAD/	NA
ICAO/IATA- AIR	NA
IMO.IMDG- SEA	NA
PROPER SHIPPING NAME	NA

15. REGULATORY INFORMATION

LABELING	NA
XN	NA
R10	NA
R 21/22	NA
S28	NA
OTHER	NA



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16. OTHER INFORMATION

CONTACT PERSON	MR. BHAVESH OZA
ADDRESS	Haj Exports 6 th FLOOR, 514 ADAMJI BLDG, 413 NARSI NATHA STREET, MUMBAI – INDIA. PIN: 400 009. TELEPHONE: (91-22) 23439093 / FAX: (91-22) 66349992
E-MAIL	INFO@HAJEXPORTS.COM
PRODUCTS	PVC HEAT STABILIZERS, COBALT SALTS SUCH AS SULFATES, OXIDES