

PARAMOUNT MINERALS AND CHEMICALS LIMITED

MATERIAL SAFETY DATA SHEET OF DOLOSEL

SECTION 01:PRODUCT IDENTIFICATION		
MANUFACTURER	PARAMOUNT MINERALS AND CHEMICALS LIMITED 33, OLD HANUMAN LANE, KALBADEVI ROAD, MUMBAI -400002. INDIA. TEL: +9122 – 40982500 FAX:+9122-40982590 Email: whitener@vsnl.com	
PRODUCT NAME	DOLOSEL	
COMPOSITION	COMPONENT	CAS NO
	FORMULATION OF P(AA/NaHSO ₃)	66019-18-9
	RESIDUAL MONOMERS	N.A
	WATER & POLYHYDRIC ALCOHOL	7732-18-5
SECTION 02:HAZARDOUS INGREDIENTS		
NONE		
SECTION 03:HAZARDS IDENTIFICATION		
NO DANGER CLASSIFICATION IN ACCORDANCE WITH THE EUROPEAN UNION GUIDELINES		
SECTION 04:FIRST AID MEASURES		
EYE CONTACT	IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. CONSULT A PHYSICIAN IF IRRITATION CONTINUES.	
SKIN CONTACT	IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE.	
INHALATION	IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ATTENTION.	
INGESTION	DRINK 1-2 GLASSES OF WATER. CONSULT A PHYSICIAN. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON.	
SECTION 05:FIRE FIGHTING MEASURES		
FLASH POINT	NON COMBUSTIBLE	
UPPER FLAMABLE LIMIT	NOT APPLICABLE	
LOWER FLAMABLE LIMIT	NOT APPLICABLE	
THERMAL DECOMPOSITION	>230.00 DEG C.	
EXTINGUISHING MEDIA	USE EXTINGUISHING MEDIA AS APPROPRIATE FOR SURROUNDING FIRE	
FIRE FIGHTING HAZARD	MATERIAL CAN SPLATTER ABOVE 100 DEG C. DRIED PRODUCT CAN BURN.	
PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS	WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE SUIT	
SECTION 06:ACCIDENTAL RELEASE MEASURES		
PERSONAL PRECAUTIONS	USE PERSONAL PROTECTIVE EQUIPMENT. KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK. MATERIAL CAN CREATE SLIPPERY CONDITIONS.	
ENVIRONMENTAL PRECAUTIONS	KEEP SPILLS AND CLEANING RUN OFF OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER.	
CLEARING LEAK/SPILL	CONTAIN SPILLS IMMEDIATELY WITH INERT MATERIALS (E.G SAND, EARTH). TRANSFER LIQUIDS AND SOLID DIKING MATERIAL TO SEPARATE SUITABLE CONTAINERS FOR RECOVERY OR DISPOSAL	
SECTION 07:HANDLING AND STORAGE		
HANDLING PROCEDURES	AVOID SKIN AND EYE CONTACT. AVOID BREATHING VAPORS. MAINTAIN A GOOD PERSONAL HYGIENE. MONOMER VAPORS CAN BE EVOLVED WHEN MATERIAL IS HEATED DURING PROCESS OPERATIONS. SEE SECTION 8 FOR TYPES OF VENTILATION REQUIRED.	

STORAGE NEEDS	KEEP FROM FREEZING. STIR WELL BEFORE USE. STORAGE TEMPERATURE 1.00-49.00 DEG C.
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SECTION 08:EXPOSURE CONTROLS/PERSONAL PROTECTION	
EYE PROTECTION	SAFETY GLASSES WITH SIDE SHIELDS
GLOVES	CHEMICAL RESISTANT GLOVES
CLOTHING	WEAR ADEQUATE PROTECTIVE CLOTHING
RESPIRATORY	NONE REQUIRED UNDER NORMAL USE. A RESPIRATORY PROTECTION PROGRAM MEETING OSHA 1910.134 AND ANSI Z88.2 REQUIREMENTS OR EQUIVALENT MUST BE FOLLOWED WHENEVER WORK PLACE CONDITIONS WARRANT A RESPIRATORS USE
OTHER	EYE WASH FOUNTAIN/EMERGENCY SHOWER SHOULD BE IN CLOSE PROXIMITY
VENTILATION REQUIREMENTS	LOCAL EXHAUST VENTILATION WITH A MINIMUM CAPTURE VELOCITY OF 150 FT/MIN (0.75 M/SEC).

SECTION 09:PHYSICAL AND CHEMICAL PROPERTIES	
PHYSICAL STATE	LIQUID
ODOR	MILD ODOR
COLOUR	COLOURLESS
pH AT ROOM TEMPERATURE (25-30 DEG C)	6.00-9.00
BOILING POINT/RANGE	100 DEG C (WATER)
MELTING POINT	0 DEG C (WATER)
VAPOUR PRESSURE	17.0 mmHg AT 20 DEG C (WATER)
RELATIVE VAPOUR DENSITY	<1.0 (WATER)
SOLUBILITY IN WATER	COMPLETELY SOLUBLE
SPECIFIC GRAVITY AT ROOM TEMPERATURE (25-30 DEG C)	1.10-1.15
VISCOSITY, DYNAMIC	400.000-1,400.00 mPa.s
EVAPORATION RATE	<1.00 (WATER)

TYPICAL VALUES MENTIONED ABOVE. NOT TO BE CONSTRUED AS SPECIFICATION.

SECTION 10:STABILITY AND REACTIVITY	
HAZARDOUS REACTIONS	NONE KNOWN. STABLE. HOWEVER AVOID TEMPERATURES ABOVE 230 DEG C, THE ONSET OF POLYMER DECOMPOSITION. THERMAL DECOMPOSITION IS DEPENDENT ON TIME AND TEMPERATURE
MATERIALS TO AVOID	NO KNOWN INCOMPATIBLE PRODUCTS
HAZARDOUS DECOMPOSITION PRODUCTS	THERMAL DECOMPOSITION MAY YIELD ACRYLIC MONOMERS

SECTION 11:TOXICOLOGICAL INFORMATION	
ACUTE ORAL TOXICITY	LD50 RAT >5,000 MG/KG
ACUTE INHALATION TOXICITY	LC50 RAT NOEL 10 MG/M3
ACUTE DERMAL TOXICITY	LD50 RABBIT >5,000 MG/KG
SKIN IRRITATION	RABBIT , SLIGHT IRRITATION
EYE IRRITATION	RABBIT SLIGHT IRRITATION
SENSITIZATION	GUINEA PIG, NOT A SENSITIZER
SUBCHRONIC TOXICITY	A 13 WEEK INHALATION STUDY IN RATS OF A OF A COMPOSITIONALLY SIMILAR POLYCARBOXYLATE MATERIAL SHOWED INFLAMMATORY EFFECTS IN THE LUNG AT CONCENTRATIONS OF 5 MG/M3 FOR 6 HOURS PER DAY, 5 DAYS PER WEEK. THE NO-OBSERVED-EFFECT-LEVEL FOR THIS RESPONSE WAS JUDGED TO BE 1 MG/M3. MAINTAINING AIRBORNE CONCENTRATIONS WITHIN THE RECOMMENDED EXPOSURE LIMIT IS NOT EXPECTED TO PRODUCE ADVERSE EFFECTS WITHIN THE LUNG.
MUTAGENICITY	AMES MUTAGENICITY - NEGATIVE

SECTION 12:ECOLOGICAL INFORMATION	
TOXICITY TO FISH	LC50 RAINBOW TROUT 96H 700 MG/L LC50 BLUEGILL SUNFISH (LEPOMIS MACROCHIRUS)96 H >1,000 MG/L LC50ZEBRA FISH (DANIO/BRACHYDANIO RERIO)96 H
TOXICITY TO ALGAE	>200 MG/L EC10ALGAE96 H >180 MG/L
TOXICITY TO AQUATIC INVERTEBRATES	EC50 DAPHNIA MAGNA 48H >1,000 MG/L

SECTION 13:DISPOSAL CONSIDERATIONS	
WASTE DISPOSAL REGULATIONS	IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL

REGULATIONS

SECTION 14:TRANSPORT INFORMATION
NOT REGULATED BY DOT, IMO/IMDG – NOT DANGEROUS FOR TRANSPORT

SECTION 15: REGULATORY INFORMATION AND LABELING
SYMBOL AND CLASSIFYING - NO MARKINGS REQUIRED , EU GUIDELINE-.1999/45/EC

SECTION 16:OTHER INFORMATION	
NOTE	THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, EXPRESSED OR IMPLIED, EXCEPT THAT IT IS ACCURATE TO THE BEST KNOWLEDGE OF PARAMOUNT MINERALS AND CHEMICALS LIMITED. AND ASSUMES NO LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THESE DATA.
PREPARED BY	HEALTH, ENVIRONMENT & SAFETY DEPT.
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