



MURSATT CHEMICALS LIMITED
11 REGALCREST COURT
WOODBIDGE, ONTARIO, CANADA, L4L 8P3
(905)-850-8444

PRODUCT: SPA MINUS

CODE: MUR0065

SECTION 01: IDENTIFICATION

PRODUCT CODE..... MUR0065
 PRODUCT IDENTIFIER..... SPA MINUS
 OTHER MEANS OF IDENTIFICATION..... N.AV.
 RECOMMENDED USE AND PH ADJUSTMENT.
 RESTRICTIONS ON USE
 SUPPLIER IDENTIFIER..... MURSATT CHEMICALS LIMITED
 11 REGALCREST COURT
 WOODBRIDGE, ONTARIO
 CANADA
 L4L 8P3
 EMERGENCY PHONE NO..... CANUTEC (613)-996-6666.

SECTION 02: HAZARD IDENTIFICATION



HAZARD CLASSIFICATION..... SERIOUS EYE DAMAGE - CATEGORY 1.
 SIGNAL WORD..... DANGER.
 HAZARD STATEMENT..... H318 CAUSES SERIOUS EYE DAMAGE.
 PRECAUTIONARY STATEMENT..... P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P310 IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.
 OTHER HAZARDS..... NONE.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
SODIUM BISULFATE	7681-38-1	>90

SECTION 04: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT..... IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 20 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. IF REDNESS OR IRRITATION PERSISTS, GET PROMPT MEDICAL ATTENTION.

SKIN CONTACT..... IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 20 MINUTES. IF SKIN IRRITATION OCCURS, SEEK MEDICAL ATTENTION.

INHALATION..... MOVE EXPOSED PERSON TO FRESH AIR. IF NOT BREATHING, IF BREATHING IS IRREGULAR OR IF RESPIRATORY ARREST OCCURS, PROVIDE ARTIFICIAL RESPIRATION OR OXYGEN BY TRAINED PERSONNEL. IF IRRITATION OR DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION.

INGESTION..... WASH OUT MOUTH WITH WATER. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL MEDICAL DOCTOR OR POISON CONTROL CENTER IMMEDIATELY.

MOST IMPORTANT SYMPTOMS AND SEE SECTION 11.
 EFFECTS, ACUTE OR DELAYED:
 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED
 NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. CONTACT POISON TREATMENT SPECIALIST IMMEDIATELY IF LARGE QUANTITIES HAVE BEEN INGESTED OR INHALED.

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SECTION 05: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA..... USE AN EXTINGUISHING AGENT SUITABLE FOR THE SURROUNDING FIRE.
 UNSUITABLE EXTINGUISHING MEDIA..... NONE KNOWN.
 SPECIAL HAZARDS ARISING FROM THE PRODUCT: NO SPECIFIC FIRE OR EXPLOSION HAZARD.
 HAZARDOUS COMBUSTION PRODUCTS, DECOMPOSITION PRODUCTS MAY INCLUDE SULFUR OXIDES.
 SPECIAL PROTECTIVE EQUIPMENT AND FIRE-FIGHTERS SHOULD WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND
 PRECAUTIONS FOR FIRE-FIGHTERS: SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH A FULL FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS..... DO NOT BREATHE DUST. PROVIDE ADEQUATE VENTILATION. PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8).
 ENVIRONMENTAL PRECAUTIONS..... AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWERS.
 METHODS AND MATERIALS FOR STOP LEAK IF WITHOUT RISK. PREVENT ENTRY INTO SEWERS, WATER COURSES, CONTAINMENT AND CLEANING UP BASEMENTS OR CONFINED AREAS. VACUUM OR SWEEP UP MATERIAL AND PLACE IN A DESIGNATED, LABELED WASTE CONTAINER. DISPOSE OF VIA A LICENSED WASTE DISPOSAL CONTRACTOR.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:..... AVOID DUST CLOUD FORMATION. AVOID BREATHING DUST. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.
 CONDITIONS FOR SAFE STORAGE, MATERIAL IS HYGROSCOPIC AND WILL READILY ABSORB MOISTURE. DO NOT INCLUDING ANY INCOMPATIBILITIES: STORE DRY PRODUCT WHERE EXPOSED TO MOIST CONDITIONS. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.

SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
SODIUM BISULFATE	N.A.V.	N.A.V.	N.A.V.	N.A.V.	N.A.V.	N.A.V.
APPROPRIATE ENGINEERING CONTROLS	USE ONLY WITH ADEQUATE VENTILATION. USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP WORKER EXPOSURE TO AIRBORNE CONTAMINANTS BELOW ANY RECOMMENDED OR STATUTORY LIMITS.					
INDIVIDUAL PROTECTION MEASURE SUCH AS PERSONAL PROTECTIVE EQUIPMENTS:						
HAND PROTECTION.....	USE GLOVES APPROPRIATE FOR WORK OR TASK BEING PERFORMED. RECOMMENDED: RUBBER GLOVES.					
RESPIRATORY PROTECTION.....	IN DUSTY ATMOSPHERES (>10 MG/M3), USE A NIOSH-APPROVED DUST RESPIRATOR.					
EYE PROTECTION.....	SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL GOGGLES.					
PROTECTIVE CLOTHING.....	COTTON-BLEND COVERALLS.					
PROTECTIVE FOOTWEAR.....	IMPERVIOUS BOOTS.					
OTHER.....	ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE PROXIMAL TO THE WORK-STATION LOCATION.					
HYGIENIC PRACTICES.....	USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, OR SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE.					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... SOLID.
 COLOR..... OFF-WHITE.
 ODOUR..... FRESH TO PUNGENT.
 ODOUR THRESHOLD..... N.A.V.
 PH..... <1 @ 5% AQUEOUS SOLUTION.
 MELTING/FREEZING POINT..... 350° F (177° C).
 BOILING POINT..... N.A.P.
 FLASH POINT (C), METHOD..... N.A.P.
 EVAPORATION RATE..... N.A.P.
 FLAMMABILITY (SOLIDS AND GASES)..... N.A.V.
 UPPER FLAMMABLE LIMIT (% BY VOL.)... N.A.P.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

LOWER FLAMMABLE LIMIT (% BY VOL.)... N.AP.
 VAPOUR PRESSURE (MMHG)..... N.AV.
 VAPOUR DENSITY (AIR=1)..... N.AV.
 RELATIVE DENSITY..... 1.28.
 SOLUBILITY IN WATER (% W/W)..... PARTIALLY SOLUBLE IN COLD WATER AND HOT WATER.
 COEFFICIENT OF WATER/OIL DIST..... N.AV.
 AUTO IGNITION TEMPERATURE..... N.AV.
 DECOMPOSITION TEMPERATURE..... N.AV.
 VISCOSITY..... N.AP.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:..... HAZARDOUS POLYMERISATION WILL NOT OCCUR.
 CHEMICAL STABILITY:..... STABLE.
 POSSIBILITY OF HAZARDOUS REACTIONS..... UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS REACTIONS WILL NOT OCCUR.
 REACTIONS:.....
 CONDITIONS TO AVOID..... DO NOT STORE DRY PRODUCT WHERE EXPOSED TO MOIST CONDITIONS.
 INCOMPATIBLE MATERIALS:..... REACTIVE OR INCOMPATIBLE WITH THE FOLLOWING MATERIALS: OXIDIZING MATERIALS, ACIDS AND ALKALIS. DO NOT MIX DRY OR CONCENTRATED SOLUTIONS OF THIS PRODUCT WITH CONCENTRATED SOLUTIONS OF CHLORINE BLEACH, AMMONIA CLEANSERS OR SIMILAR PRODUCTS.
 HAZARDOUS PRODUCTS OF DECOMPOSITION..... UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS DECOMPOSITION PRODUCTS SHOULD NOT BE PRODUCED.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
SODIUM BISULFATE	N.AV.	2800 MG/KG (ORAL, RAT)
INFORMATION ON LIKELY ROUTES OF ENTRY:		
INHALATION.....	INHALATION OF DUST MAY IRRITATE NOSE, THROAT AND/OR LUNGS.	
SKIN CONTACT.....	PROLONGED EXPOSURE MAY CAUSE SKIN IRRITATION.	
SKIN ABSORPTION.....	N.AV.	
EYE CONTACT.....	CAUSES SERIOUS EYE IRRITATION.	
INGESTION.....	SMALL AMOUNTS (TABLESPOONFUL) SWALLOWED ARE NOT LIKELY TO CAUSE INJURY; HOWEVER, SWALLOWING LARGE AMOUNTS MAY IRRITATE OR BURN DIGESTIVE TRACT.	
EFFECTS OF ACUTE EXPOSURE.....	SEE ABOVE.	
EFFECTS OF CHRONIC EXPOSURE.....	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS. .	
SIGNS AND SYMPTOMS OF OVEREXPOSURE.....	INHALATION - ADVERSE SYMPTOMS MAY INCLUDE RESPIRATORY TRACT IRRITATION, COUGHING. EYES - ADVERSE SYMPTOMS MAY INCLUDE PAIN, WATERING, REDNESS. .	
CARCINOGENICITY OF MATERIAL.....	IARC: NOT LISTED.	
TERATOGENICITY.....	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.	
MUTAGENICITY.....	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.	
REPRODUCTIVE EFFECTS.....	N.AV.	
SENSITIZING CAPABILITY OF MATERIAL.....	N.AV.	
SYNERGISTIC MATERIALS.....	N.AV.	

SECTION 12: ECOLOGICAL CONSIDERATIONS

ECOTOXICITY..... N.AV.
 PERSISTENCE AND DEGRADATION..... N.AV.
 BIOACCUMULATIVE POTENTIAL..... N.AV.
 MOBILITY IN SOIL..... N.AV.
 OTHER ADVERSE EFFECTS..... N.AV.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:..... DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER..... N.AP.
 PROPER SHIPPING NAME..... N.AP.
 TDG CLASSIFICATION..... NOT REGULATED.
 PACKING GROUP..... N.AP.

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SECTION 14: TRANSPORT INFORMATION

ENVIRONMENTAL HAZARDS ACCORDING N.AV.
TO THE INTERNATIONAL MARITIME
DANGEROUS GOODS CODE AND THE
UNITED NATIONS MODEL REGULATIONS:
SPECIAL PRECAUTIONS IN CONNECTION N.AV.
WITH TRANSPORT OR CONVEYANCE
EITHER WITHIN OR OUTSIDE THE
PREMISES:

SECTION 15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL N.AV.
REGULATIONS SPECIFIC TO THE
PRODUCT:

SECTION 16: OTHER INFORMATION

N.AV.=NOT AVAILABLE
N.AP.=NOT APPLICABLE
OTHER INFORMATION.....

THE DATA IN THIS MSDS RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS. THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATIONS. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

REGULATORY AFFAIRS
APR 20/2017

PREPARED BY.....
PREPARATION DATE.....