



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

PRODUCT: EASY-DOWN

CODE: MUR0033

Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/SUPPLIER..... MURSATT CHEMICALS LIMITED
11 REGALCREST COURT
WOODBIDGE, ONTARIO
CANADA
L4L 8P3
PREPARED BY..... REGULATORY AFFAIRS
PREPARATION DATE..... May27/11
PRODUCT NAME..... EASY-DOWN
PRODUCT CODE..... MUR0033
CHEMICAL FORMULA..... MIXTURE.
MOLECULAR WEIGHT..... MIXTURE.
CHEMICAL FAMILY..... INORGANIC.
MATERIAL USE..... PH ADJUSTMENT.
EMERGENCY PHONE NO..... CANUTEC (613)-996-6666.

Section 02: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
SKIN CONTACT..... CAUSES MODERATE SKIN IRRITATION. MAY CAUSE BURN IF NOT FLUSHED WITH WATER.
SKIN ABSORPTION..... N.AV.
EYE CONTACT..... CAUSES EYE IRRITATION. MAY CAUSE BURN IF NOT FLUSHED WITH WATER.
INHALATION..... INHALATION OF DUST MAY IRRITATE OR BURN NOSE, THROAT AND LUNGS.
INGESTION..... SWALLOWING LARGE AMOUNTS MAY IRRITATE OR BURN DIGESTIVE TRACT.
EFFECTS OF ACUTE EXPOSURE..... SEE ABOVE.
EFFECTS OF CHRONIC EXPOSURE..... N.AV.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
SODIUM BISULFATE	60-100	SEE SECTION 11	7681-38-1	SEE SECTION 11	SEE SECTION 11
SODIUM SULFATE	5-10	SEE SECTION 11	7757-82-6	SEE SECTION 11	SEE SECTION 11

Section 04: FIRST AID MEASURES

EYE CONTACT..... IN CASE OF CONTACT, OR SUSPECTED CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IMMEDIATELY AFTER FLUSHING.
SKIN CONTACT..... IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE.
INHALATION..... REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE MEDICAL ATTENTION.
INGESTION..... DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. SEEK IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS.
NOTES TO PHYSICIAN..... TREATMENT BASED ON SOUND JUDGMENT OF PHYSICIAN AND INDIVIDUAL REACTIONS OF PATIENT.

Section 05: FIRE FIGHTING MEASURES

T.D.G. FLAM. CLASS..... NON FLAMMABLE.
FLAMMABILITY..... NON FLAMMABLE.
IF YES, UNDER WHICH CONDITIONS?
EXTINGUISHING MEDIA..... DOES NOT BURN. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.
SPECIAL FIREFIGHTING PROCEDURES... FIRE FIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING, INCLUDING SELF-CONTAINED BREATHING EQUIPMENT.
FLASH POINT (C), METHOD..... N.AP.
AUTO IGNITION TEMPERATURE..... N.AV.
UPPER FLAMMABLE LIMIT (% BY VOL.)... N.AP.
LOWER FLAMMABLE LIMIT (% BY VOL.)... N.AP.
EXPLOSION DATA..... N.AV.
EXPLOSIVE POWER..... N.AV.
RATE OF BURNING..... N.AV.
SENSITIVITY TO STATIC DISCHARGE..... N.AV.

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Section 05: FIRE FIGHTING MEASURES

SENSITIVITY TO IMPACT..... N.AV.
 UNUSUAL FIRE AND EXPLOSION DO NOT GET WATER INSIDE CONTAINER. PRODUCT DISSOLVES IN WATER TO
 HAZARDS FORM AN ACID SOLUTION. PRECAUTION FOR EXPOSURE TO ACID SHOULD BE
 FOLLOWED. AT TEMPERATURES OVER 430 °C (806 °F), PRODUCT WILL
 DECOMPOSE, GENERATING SULPHUR OXIDES.
 HAZARDOUS COMBUSTION PRODUCTS.. UNDER FIRE CONDITIONS, OXIDES OF SULPHUR.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... WEAR APPROPRIATE PROTECTIVE EQUIPMENT. PREVENT FROM ENTERING
 SEWERS, WATERWAYS OR LOW AREAS. SCOOP UP OR VACUUM UP AND PLACE
 IN AN APPROPRIATE CLOSED CONTAINER. AVOID RAISING DUST. FLUSH AREA
 WITH WATER TO REMOVE TRACE RESIDUE. . AVOID RAISING DUST.

Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND AVOID BREATHING IN DUST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
 EQUIPMENT AVOID DUST GENERATION AND PROVIDE FOR ROOM VENTILATION DURING
 HANDLING. WHEN DILUTING, ADD THIS PRODUCT TO WATER IN SMALL AMOUNTS
 TO AVOID SPATTERING. NEVER ADD WATER TO THIS MATERIAL. WASH
 THOROUGHLY AFTER HANDLING.
 STORAGE NEEDS..... KEEP CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM ALKALIS. STORE IN A
 COOL, DRY, WELL VENTILATED AREA. PROTECT AGAINST MOISTURE, WATER AND
 PHYSICAL DAMAGE. MATERIAL IS HYDROSCOPIC AND WILL READILY ABSORB
 MOISTURE.

Section 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

GLOVES/ TYPE..... RUBBER GLOVES.
 RESPIRATORY/TYPE..... IF DUSTY CONDITIONS ARE ENCOUNTERED, USE A NIOSH APPROVED DUST
 RESPIRATOR.
 EYE/TYPE..... CHEMICAL GOGGLES; ALSO WEAR A FACE SHIELD IF SPLASHING HAZARD
 EXISTS.
 FOOTWEAR/TYPE..... IMPERVIOUS BOOTS.
 CLOTHING/TYPE..... NORMAL WORK COVERALLS.
 OTHER/TYPE..... ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE PROXIMAL TO
 THE WORK-STATION LOCATION.
 ENGINEERING CONTROLS..... PROVIDE GENERAL AND /OR LOCAL EXHAUST VENTILATION TO MAINTAIN
 AIRBORNE PARTICULATE BELOW NUISANCE LEVELS (>10 MG/M3).

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... OFF-WHITE GRANULAR MATERIAL.
 ODOUR..... FRESH TO PUNGENT.
 ODOUR THRESHOLD..... N.AV.
 VAPOUR PRESSURE (MMHG)..... N.AV.
 VAPOUR DENSITY (AIR=1)..... N.AV.
 BY VOLUME
 BY WEIGHT
 EVAPORATION RATE..... N.AP.
 BOILING POINT..... N.AP.
 MELTING/FREEZING POINT..... 350° F (177° C).
 PH..... <1 @ 5% AQUEOUS SOLUTION.
 SPECIFIC GRAVITY (WATER=1)..... BULK DENSITY: 80 – 85 LBS/FT³ (LOOSE).
 SOLUBILITY IN WATER (% W/W)..... 1080 G/L @ 68° F (20° C).
 COEFFICIENT OF WATER/OIL DIST..... N.AV.

Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:..... STABLE.
 CONDITIONS TO AVOID..... MOISTURE.
 MATERIALS TO AVOID..... ALKALIS. CHLORINE. AMMONIA.
 HAZARDOUS PRODUCTS OF TEMPERATURES ABOVE 430°C (806°F). OXIDES OF SULPHUR.
 DECOMPOSITION
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.
 ADDITIONAL INFORMATION..... PRODUCT DISSOLVES IN WATER TO FORM AN ACID SOLUTION.

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Section 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL..... N.AV.
 LC 50 OF MATERIAL, SPECIES & ROUTE.. N.AV.
 LD 50 OF MATERIAL, SPECIES & ROUTE.. 2800 MG/KG (ORAL-RAT).
 CARCINOGENICITY OF MATERIAL..... ACGIH: NOT LISTED. IARC: NOT LISTED.
 REPRODUCTIVE EFFECTS..... N.AV.
 IRRITANCY OF MATERIAL..... SKIN IRRITATION – THIS MATERIAL IS NEITHER CORROSIVE NOR DESTRUCTIVE TO THE SKIN OF NEW ZEALAND RABBITS. OCCASIONALLY, A VERY SLIGHT RASH MAY APPEAR. SEE SECTION 2.
 SENSITIZING CAPABILITY OF MATERIAL. N.AV.
 SYNERGISTIC MATERIALS..... N.AV.
 MUTAGENICITY..... N.AV.
 TERATOGENICITY..... N.AV.

Section 12: ECOLOGICAL CONSIDERATIONS

ECOLOGICAL INFORMATION..... SODIUM SULFATE: LC50 96 H (PIMEPHALES PROMELAS) 13500-14500 MG/L; LC50 96 H (PIMEPHALES PROMELAS) 6800->10000 MG/L STATIC; LC50 96 H (LEPOMIS MACROCHIRUS) 3040-4380 MG/L STATIC; LC50 96 H (LEPOMIS MACROCHIRUS) 13500 MG/L. OTHER INFORMATION: THIS PRODUCT READILY DISSOLVES IN WATER TO FORM A WEAK ACID SOLUTION. A 0.05 PERCENT OR GREATER (BY WEIGHT) SOLUTION OF THIS PRODUCT WILL LIKELY BE ACUTELY HARMFUL TO FISH AND OTHER WATER ORGANISMS. MATERIAL WILL DECOMPOSE IN SOIL.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

Section 14: TRANSPORT INFORMATION

TDG CLASSIFICATION..... NOT REGULATED.
 UN NUMBER..... N.AP.
 PACKING GROUP..... N.AP.
 SPECIAL SHIPPING INSTRUCTIONS..... NOT REGULATED.

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... D2B.
 CPR COMPLIANCE..... THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

Section 16: OTHER INFORMATION

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