



MATERIAL SAFETY DATA SHEET

Product Name: Ram Scale-B-Gone

4949 Greenhouse Road Houston, TX 77084-2205 281/856-7600 - 800/456-3459 - Fax 281/856-7015

29 CFR 1910.1200

OMB NO. 1218-0072

IDENTITY NO.: 2540

NAME: SCALE-B-GON

SECTION 1

MANUFACTURER'S NAME: Ram Chemical & Supply

4949 Greenhouse Rd.

EMERGENCY PHONE: (CHEMTREC) 1-800-424-9300

Houston, TX 77084-2205

PHONE: 800-456-3459

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	OSHA PEL	ACGIH TLV	WEIGHT %
PHOSPHORIC ACID	7664382	3MG/M3	1MG/M3	
HYDROCHLORIC ACID	7647010	5PPM	5PPM	
AMMONIUM BIFLUORIDE	134197	2.5MG/MS	2.5MG/MS	

VOC Content None g/l

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >212 F

SPECIFIC GRAVITY: 1.2

VAPOR PRESSURE: NOT TESTED

MELTING POINT: NOT TESTED

VAPOR DENSITY: NOT TESTED

EVAPORATION RATE: NOT TESTED

SOLUBILITY IN WATER: 100%

APPEARANCE AND ODOR: THICK AMBER, ACID ODOR

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >212

FLAMMABLE LIMITS: NOT TESTED

LEL: NOT TESTED

UEL - NOT TESTED

pH: <1

DOT #: UN3264

NFPA HAZARD RATING: H F R S

HMIS HAZARD RATING: H F R S

(O-LEAST, 4-EXTREME): 3 0 0 0

3 0 0 0

EXTINGUISHING MEDIA: CO2, DRY FOAM

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDOUS: NONE

SECTION 5 - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

INCOMPATIBLE MATERIALS TO AVOID: STRONG OXIDIZERS, AMMONIA

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO, CO2

HAZARDOUS POLYMERIZATION: NONE

CONDITIONS TO AVOID: STRONG OXIDIZERS

SECTION 6 - HEALTH HAZARD DATA

ROUTES OF ENTRY

INHALATION? POSSIBLE

SKIN? POSSIBLE

INGESTION? POSSIBLE

HEALTH HAZARDS: SAME AS SIGNS AND SYMPTOMS OF EXPOSURE

NOTE - ALL CHEMICALS IN THIS PRODUCT ARE FOUND ON THE TSCA INVENTORY LIST
OSHA CARCINOGENICITY? - NONE; NTP? - NONE; IARC MONOGRAPHS? - NONE

SIGNS AND SYMPTOMS OF OVER EXPOSURE

EYES: BURNING SENSATION
SKIN: SEVERE IRRITATION
INGESTION: SEVERE BURNING IRRITATION
INHALATION: BURNING IRRITATION
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SAME AS SIGNS AND SYMPTOMS OF OVER EXPOSURE.

EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CALL PHYSICIAN.
SKIN: WASH OFF WITH SOAP AND WATER. CLEAN UNDER FINGER NAILS. IF IRRITATION PERSISTS CALL PHYSICIAN.
INGESTION: DRINK LARGE AMOUNTS OF WATER, CALL PHYSICIAN.
INHALATION: GET PERSON TO FRESH AIR IF UNCONSCIOUS, CALL PHYSICIAN.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SOAK UP WITH INERT, ABSORBENT MATERIAL. SCOOP UP AND PLACE IN A PROPER WASTE DISPOSAL CONTAINER.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN A COOL, DRY PLACE, OUT OF DIRECT SUNLIGHT. DO NOT FREEZE OR HEAT ABOVE 110 F.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. FOLLOW DIRECTIONS ON THE CONTAINER FOR PROPER USE OF THIS PRODUCT.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: OPEN ALL DOORS AND WINDOWS. EXPOSURES ABOVE THE TLV OR PEL REQUIRE A NIOSH APPROVED RESPIRATOR EQUIPPED FOR THE EXPOSURE OR SUITABLE RESPIRATORY PROTECTION PER 29 CFR 1910.134. IS REQUIRED.

VENTILATION LOCAL EXHAUST: IF AVAILABLE SPECIAL: NONE
MECHANICAL: IF AVAILABLE OTHER: NONE

PROTECTIVE GLOVES: PLASTIC OR RUBBER, CHEMICAL RESISTANT
EYE PROTECTION: GLASSES, GOGGLES
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE

WORK HYGIENIC PRACTICES: USE COMMON SENSE AND CARE AROUND CHEMICALS. NEVER MIX CHEMICALS. CONSULT YOUR SUPERVISOR FOR OTHER PRACTICES. ALL PRACTICES DEPEND ON YOUR SPECIFIC BUSINESS. DIRECTIONS FOR USE ARE NORMALLY FOUND ON LABEL WHICH WILL DICTATE ENGINEERING AND CONTROL MEASURES.

OTHER SPECIFIED REQUIREMENTS: DO NOT MIX WITH OTHER CHEMICAL