MATERIAL SAFETY DATA SHEET

Section I - IDENTIFICATION

PRODUCT: Sodium Chloride
SYNONYMS: Salt
CHEMICAL FORMULA: NaCl
CHEMICAL ABSTRACT NUMBER: 7647-14-5
PRODUCT CODE NO.: #RAD-160

Section II - HEALTH & FIRST AID INFORMATION

INHALATION: There is no evidence of adverse effects from inhalation of this product. Remove to fresh air. Get medical attention for any breathing difficulty.

INGESTION: There is no evidence of adverse effects of this product. If large amounts were swallowed, get medical advice.

SKIN CONTACT: There is no evidence of skin irritation either for intact or abraded skin. If contact does occur the affected area should be washed with soap and water. Get medical advice if irritation develops.

EYE CONTACT: Wash thoroughly with running water. Get medical advice if irritation develops.

EFFECTS OF OVEREXPOSURE: *Inhalation* of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness, and sore throat. *Ingestion:* very large doses can cause vomiting, diarrhea, and prostration. Dehydration and congestion occur in most internal organs. Hypertonic salt solutions can produce violent inflammatory reactions in the gastrointestinal tract.

OTHER HEALTH INFORMATION:

ORL-MAN LDLO: 1 GM/KG
ORL-RAT LD50:3 GM/KG
IHL-RAT LC50:> 422 MG/KG
SCU-MUS LD50: 3 GM/KG GM/M3/1H
ORL-MUS LD50: 4 GM/KG
IPR-MUS LD50: 260
IVN-MUS LD50: 645 MG/KG
ICV-MUS LD50: 131 MG/KG
SKN-RBT LD50: >10 GM/KG

Section III - PHYSICAL DATA

MELTING POINT: 804°C (1479°F)
BOILING POINT: 1412°C (2575°F)
VAPOR PRESSURE(MM HG): 1.0 AT 1589°F
VAPOR DENSITY (AIR=1): N/A
SOLUBILITY IN WATER: 36 G/100 CC AT 20°C
APPEARANCE & ODOR: Brown crystals, granular Odourless.
SPECIFIC GRAVITY (H2O=1): 2.16
PERCENT VOLATILE BY VOLUME (%): Not available
EVAPORATION RATE (H20=1): not available

Section IV - FIRE AND EXPLOSION HAZARDS

FLASH POINT & METHODS USED: none, considered non-flammable
FLAMMABLE LIMITS IN AIR; % BY VOL. LOWER: none
FLAMMABLE LIMITS IN AIR; % BY VOL. UPPER: none

Section V - REACTIVITY

STABILITY: stable
HAZARDOUS DECOMPOSITION PRODUCTS: When heated to above 804°C (1479°F) it emits toxic fumes of chloride and sodium oxide.