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SDS

Common Name: THERMAL MASTIC**Manufacturer:** PARKER HANNIFIN**SDS Revision Date:** 1/21/2015**SDS Format:** GHS-US**Grainger Item Number(s):** 4E847**Manufacturer Model Number(s):****SDS Table of Contents**

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PARKER

PARKER HANNIFIN CORPORATION
SPORLAN DIVISION
206 LANGE DRIVE
WASHINGTON, MO 63090
U.S.A.

THERMAL MASTIC

PM8 (P/N 475321); PM21 (P/N 475313); PM25 (P/N 475315); PM50 (P/N 475319)

SDS REVISION DATE (MM/DD/YYYY): 01/21/2015

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

PRODUCT IDENTIFIER USED ON THE LABEL: THERMAL MASTIC

PRODUCT CODE(S):

PM8 (P/N 475321); PM21 (P/N 475313); PM25 (P/N 475315); PM50 (P/N 475319)

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:
HEAT CONDUCTING COMPOUND.

CHEMICAL FAMILY: MIXTURE.

NAME, ADDRESS, AND TELEPHONE NUMBER OF THE SUPPLIER:
PARKER HANNIFIN CORPORATION - SPORLAN DIVISION
206 LANGE DRIVE
WASHINGTON, MO, 63090
U.S.A.

SUPPLIER'S TELEPHONE #: (636) 239-1111

24 HR. EMERGENCY TEL #:
CHEMTREC: 1-800-424-9300 (WITHIN CONTINENTAL U.S.)
CHEMTREC: 703-527-3887 (OUTSIDE U.S.).

NAME, ADDRESS, AND TELEPHONE NUMBER OF THE MANUFACTURER: REFER TO SUPPLIER

SECTION 2. HAZARDS IDENTIFICATION



CLASSIFICATION OF THE CHEMICAL:

WHMIS CLASSIFICATION:

THIS PRODUCT IS NOT A WHMIS CONTROLLED PRODUCT IN CANADA. IT DOES NOT MEET ANY OF THE CRITERIA FOR A CONTROLLED PRODUCT PROVIDED IN PART IV OF THE CONTROLLED PRODUCTS REGULATIONS (CPR).

OSHA:

THIS MATERIAL IS NOT CLASSIFIED AS HAZARDOUS UNDER OSHA REGULATIONS (29CFR 1910.1200) (HAZCOM 2012).

LABEL ELEMENTS:

THE FOLLOWING LABEL INFORMATION IS APPLICABLE ONLY TO THE UNITED STATES ACCORDING TO OSHA REGULATIONS (29 CFR 1910.1200) (HAZCOM 2012):

SIGNAL WORD: NOT REQUIRED

HAZARD STATEMENT(S): NONE REQUIRED.

PRECAUTIONARY STATEMENT(S): NONE REQUIRED.

THE FOLLOWING LABEL INFORMATION IS APPLICABLE ONLY TO CANADA ACCORDING TO THE CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR/WHMIS):

THIS PRODUCT IS NOT A WHMIS CONTROLLED PRODUCT IN CANADA. AS SUCH, THIS PRODUCT DOES NOT REQUIRE A WHMIS SUPPLIER LABEL.

NO PLACARD REQUIRED

OTHER HAZARDS:

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:

BURNING PRODUCES OBNOXIOUS AND TOXIC FUMES. MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING). MAY BE MILDLY IRRITATING TO EYES AND SKIN. FUMES FROM HEATED PRODUCT MAY IRRITATE RESPIRATORY TRACT. IF DUSTS ARE FORMED, INHALATION MAY CAUSE ADVERSE LUNG EFFECTS.

ENVIRONMENTAL PRECAUTIONS:

AVOID RELEASE TO THE ENVIRONMENT. SEE ECOLOGICAL INFORMATION, SECTION 12.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



| CHEMICAL NAME | CAS # | CONCENTRATION |
|-------------------|------------|---------------|
| CALCIUM CARBONATE | 1317-65-3 | 60.0 - 80.0 |
| TALC | 14807-96-6 | 5.0 - 10.0 |

SECTION 4. FIRST-AID MEASURES**DESCRIPTION OF FIRST AID MEASURES:****INGESTION:**

DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

INHALATION:

MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN BY QUALIFIED MEDICAL PERSONNEL ONLY. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. IF IRRITATION OR SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.

SKIN CONTACT:

FOR SKIN CONTACT, WASH WITH SOAP AND WATER WHILE REMOVING CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 5 TO 10 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

MAY BE MILDLY IRRITATING TO EYES AND SKIN. FUMES FROM HEATED PRODUCT MAY IRRITATE RESPIRATORY TRACT. IF DUSTS ARE FORMED, INHALATION MAY CAUSE ADVERSE LUNG EFFECTS.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: TREAT SYMPTOMATICALLY.

SECTION 5. FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA:****SUITABLE EXTINGUISHING MEDIA:**

USE MEDIA SUITABLE TO THE SURROUNDING FIRE SUCH AS WATER FOG OR FINE SPRAY, ALCOHOL FOAMS, CARBON DIOXIDE AND DRY CHEMICAL.

UNSUITABLE EXTINGUISHING MEDIA:

DO NOT USE WATER JET, AS THIS MAY SPREAD BURNING MATERIAL.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE / CONDITIONS OF FLAMMABILITY:

NOT FLAMMABLE UNDER NORMAL CONDITIONS OF USE. HOWEVER, MAY IGNITE IF EXPOSED TO EXTREME HEAT AND FLAME. CLOSED CONTAINERS MAY RUPTURE IF EXPOSED TO EXCESS HEAT OR FLAME DUE TO A BUILD-UP OF INTERNAL PRESSURE.

FLAMMABILITY CLASSIFICATION (OSHA 29 CFR 1910.106): NON-FLAMMABLE.

EXPLOSION DATA:**SENSITIVITY TO MECHANICAL IMPACT / STATIC DISCHARGE:**

NOT EXPECTED TO BE SENSITIVE TO MECHANICAL IMPACT OR STATIC DISCHARGE.

HAZARDOUS COMBUSTION PRODUCTS:

CARBON OXIDES; CALCIUM OXIDES; NITROGEN OXIDES (NOX); SULPHUR OXIDES; PHOSPHORUS OXIDES; POLYCYCLIC AROMATIC HYDROCARBONS; FORMALDEHYDE; OTHER UNIDENTIFIED ORGANIC COMPOUNDS.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:**PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:**

FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN POSITIVE PRESSURE MODE.

SPECIAL FIRE-FIGHTING PROCEDURES:

MOVE CONTAINERS FROM FIRE AREA IF SAFE TO DO SO. WATER SPRAY MAY BE USEFUL IN COOLING EQUIPMENT EXPOSED TO HEAT AND FLAME.

SECTION 6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
RESTRICT ACCESS TO AREA UNTIL COMPLETION OF CLEAN-UP. ENSURE CLEAN-UP IS CONDUCTED BY TRAINED PERSONNEL ONLY. ALL PERSONS DEALING WITH THE CLEAN-UP SHOULD WEAR THE APPROPRIATE CHEMICALLY PROTECTIVE EQUIPMENT. REFER TO PROTECTIVE MEASURES LISTED IN SECTIONS 7 AND 8.

ENVIRONMENTAL PRECAUTIONS:
ENSURE SPILLED PRODUCT DOES NOT ENTER DRAINS, SEWERS, WATERWAYS, OR CONFINED SPACES.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:
VENTILATE AREA OF RELEASE. STOP THE SPILL AT SOURCE IF IT IS SAFE TO DO SO. USE INERT, NON-COMBUSTIBLE ABSORBENTS TO ASSIST THE PICK UP OF MATERIAL. SCRAPE UP PRODUCT AND PLACE IT INTO A CONTAINER FOR DISPOSAL. NOTIFY THE APPROPRIATE AUTHORITIES AS REQUIRED. REFER TO SECTION 13 FOR DISPOSAL OF CONTAMINATED MATERIAL.

SPECIAL SPILL RESPONSE PROCEDURES:
IF A SPILL/RELEASE IN EXCESS OF THE EPA REPORTABLE QUANTITY IS MADE INTO THE ENVIRONMENT, IMMEDIATELY NOTIFY THE NATIONAL RESPONSE CENTER IN THE UNITED STATES (PHONE: 1-800-424-8802).

US CERCLA REPORTABLE QUANTITY (RQ): NONE.

SECTION 7. HANDLING AND STORAGE



PRECAUTIONS FOR SAFE HANDLING:
WEAR SUITABLE PROTECTIVE EQUIPMENT DURING HANDLING. USE WITH ADEQUATE VENTILATION. TRAINING THE WORKERS ON THE POTENTIAL HEALTH HAZARDS ASSOCIATED WITH PRODUCT VAPOR, DUST OR FUME IS IMPORTANT. SECONDARY INHALATION EXPOSURES COULD OCCUR WHEN CLEANING EQUIPMENT, OR WHEN REMOVING OR LAUNDERING THE CLOTHING. AVOID BREATHING VAPORS, FUMES OR DUST. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. KEEP AWAY FROM EXTREME HEAT AND FLAME. KEEP AWAY FROM ACIDS AND INCOMPATIBLES. KEEP CONTAINERS CLOSED WHEN NOT IN USE. WASH THOROUGHLY AFTER HANDLING.

CONDITIONS FOR SAFE STORAGE:
KEEP CONTAINERS TIGHTLY CLOSED IN A COOL, WELL-VENTILATED PLACE. KEEP AWAY FROM HEAT. INSPECT PERIODICALLY FOR DAMAGE OR LEAKS. PROTECT AGAINST PHYSICAL DAMAGE. STORAGE AREA SHOULD BE CLEARLY IDENTIFIED, CLEAR OF OBSTRUCTION AND ACCESSIBLE ONLY TO TRAINED AND AUTHORIZED PERSONNEL.

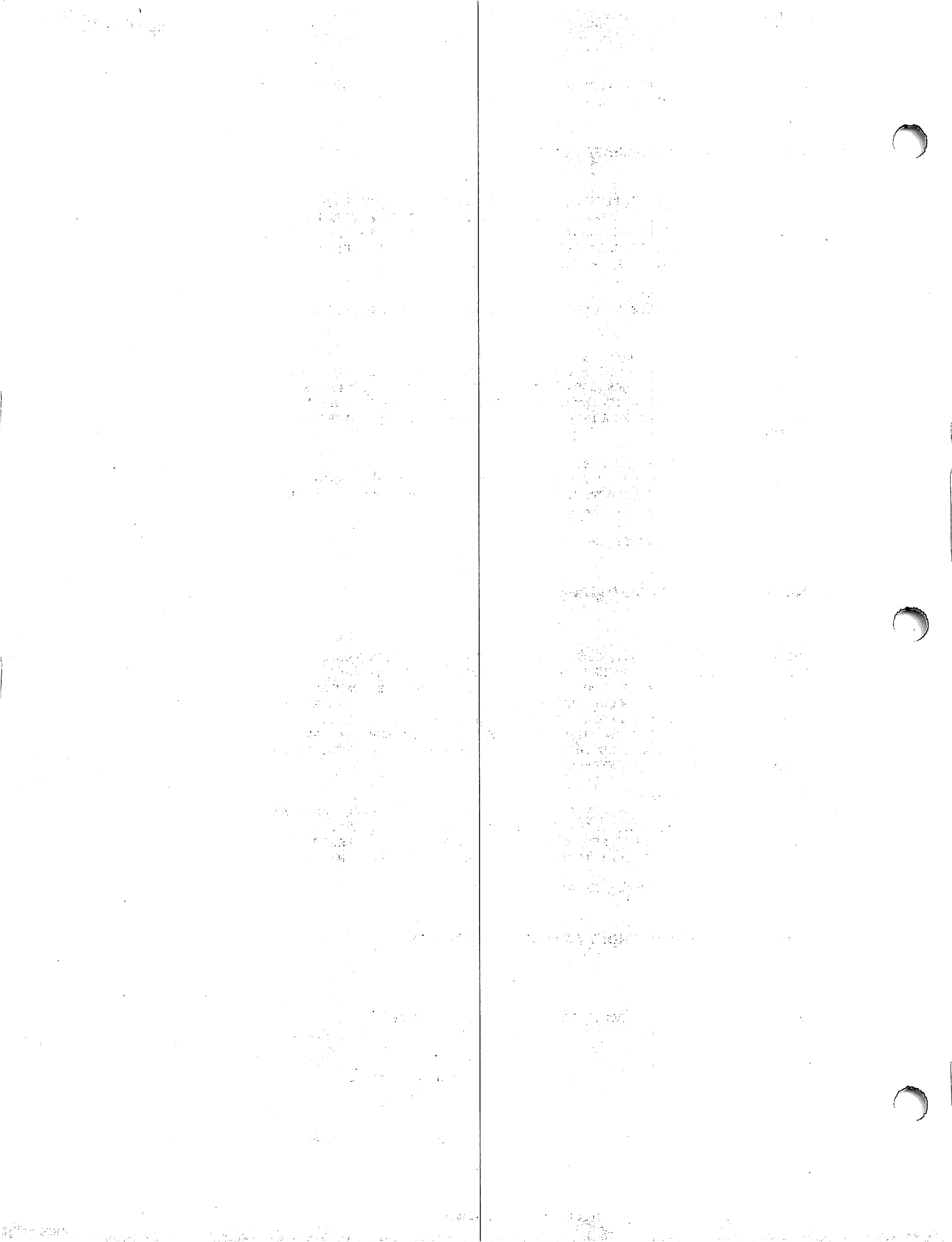
INCOMPATIBLE MATERIALS: ACIDS; OXIDIZING AGENTS.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION



EXPOSURE LIMITS:

| CHEMICAL NAME | ACGIH TLV | | OSHA PEL | |
|-------------------|-----------|------|------------------------------------------------------|------|
| | TWA | STEL | PEL | STEL |
| CALCIUM CARBONATE | N/AV | N/AV | 15 MG/M3 (TOTAL DUST); 5 MG/M3 (RESPIRABLE) | N/AV |
| TALC | 2 MG/M3 | N/AV | 20 MPPCF | N/AV |



(RESPIRABLE)

EXPOSURE CONTROLS:

VENTILATION AND ENGINEERING MEASURES:

USE WITH ADEQUATE VENTILATION. USE GENERAL OR LOCAL EXHAUST VENTILATION TO MAINTAIN AIR CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS.

RESPIRATORY PROTECTION:

IF THE TLV IS EXCEEDED, A NIOSH/MSHA-APPROVED RESPIRATOR IS ADVISED. ADVICE SHOULD BE SOUGHT FROM RESPIRATORY PROTECTION SPECIALISTS.

SKIN PROTECTION:

GLOVES IMPERVIOUS TO THE MATERIAL ARE RECOMMENDED. ADVICE SHOULD BE SOUGHT FROM GLOVE SUPPLIERS.

EYE / FACE PROTECTION:

SAFETY GOGGLES OR GLASSES AS APPROPRIATE FOR THE JOB.

OTHER PROTECTIVE EQUIPMENT:

WHERE EXTENSIVE EXPOSURE TO PRODUCT IS POSSIBLE, USE RESISTANT COVERALLS, APRON AND BOOTS TO PREVENT CONTACT. ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE CLOSE TO THE WORKSTATION LOCATION.

GENERAL HYGIENE CONSIDERATIONS:

AVOID BREATHING VAPORS, FUMES OR DUST. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH THOROUGHLY AFTER HANDLING. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USE.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE: TAN PASTE.

ODOUR: NO ODOUR.

ODOUR THRESHOLD: N/AV

PH: N/AV

MELTING/FREEZING POINT: N/AV

INITIAL BOILING POINT AND BOILING RANGE: N/AV

FLASH POINT: N/AV

FLASHPOINT (METHOD): N/AV

EVAPORATION RATE (BUAE = 1): N/AV

FLAMMABILITY (SOLID, GAS): NOT FLAMMABLE.

LOWER FLAMMABLE LIMIT (% BY VOL.): N/AV

UPPER FLAMMABLE LIMIT (% BY VOL.): N/AV

OXIDIZING PROPERTIES: NONE KNOWN.

EXPLOSIVE PROPERTIES: NOT EXPLOSIVE

VAPOUR PRESSURE: N/AV

VAPOUR DENSITY: N/AV

RELATIVE DENSITY / SPECIFIC GRAVITY: 1.6

SOLUBILITY IN WATER: INSOLUBLE

OTHER SOLUBILITY(IES): N/AV

PARTITION COEFFICIENT N-OCTANOL/WATER OR COEFFICIENT OF WATER/OIL
DISTRIBUTION: N/AV

AUTO-IGNITION TEMPERATURE: N/AV

DECOMPOSITION TEMPERATURE: N/AV

VISCOSITY: N/AV

VOLATILES (% BY WEIGHT): N/AV

VOLATILE ORGANIC COMPOUNDS (VOC'S): N/AV

ABSOLUTE PRESSURE OF CONTAINER: N/AP

FLAME PROJECTION LENGTH: N/AP

OTHER PHYSICAL/CHEMICAL COMMENTS: NO ADDITIONAL INFORMATION.

SECTION 10. STABILITY AND REACTIVITY



REACTIVITY: NOT NORMALLY REACTIVE.

CHEMICAL STABILITY:

STABLE UNDER THE RECOMMENDED STORAGE AND HANDLING CONDITIONS PRESCRIBED.

POSSIBILITY OF HAZARDOUS REACTIONS:

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

CONDITIONS TO AVOID:

AVOID HEAT AND OPEN FLAME. AVOID CONTACT WITH INCOMPATIBLE MATERIALS.

DO NOT USE IN AREAS WITHOUT ADEQUATE VENTILATION.

INCOMPATIBLE MATERIALS: ACIDS; OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

NONE KNOWN, REFER TO HAZARDOUS COMBUSTION PRODUCTS IN SECTION 5.

SECTION 11. TOXICOLOGICAL INFORMATION



INFORMATION ON LIKELY ROUTES OF EXPOSURE:

ROUTES OF ENTRY INHALATION: YES

ROUTES OF ENTRY SKIN & EYE: YES

ROUTES OF ENTRY INGESTION: YES

ROUTES OF EXPOSURE SKIN ABSORPTION: NO

POTENTIAL HEALTH EFFECTS:

SIGNS AND SYMPTOMS OF SHORT-TERM (ACUTE) EXPOSURE:

SIGN AND SYMPTOMS INHALATION:

FUMES FROM HEATED PRODUCT MAY IRRITATE RESPIRATORY TRACT. IF DUSTS ARE FORMED, INHALATION MAY CAUSE ADVERSE LUNG EFFECTS. HIGH CONCENTRATIONS OF DUST MAY CAUSE COUGHING AND MILD, TEMPORARY IRRITATION.

SIGN AND SYMPTOMS INGESTION:

INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

SIGN AND SYMPTOMS SKIN:

DIRECT SKIN CONTACT MAY CAUSE SLIGHT OR MILD, TRANSIENT IRRITATION.

SIGN AND SYMPTOMS EYES: MAY CAUSE MILD IRRITATION, REDNESS AND WATERING.

POTENTIAL CHRONIC HEALTH EFFECTS:
NONE EXPECTED, WHEN USED AS INTENDED.

IF DUSTS ARE FORMED, PROLONGED INHALATION MAY RESULT IN CHRONIC RESPIRATORY DISEASE. PNEUMOCONIOSIS, OR "DUSTY LUNG" DISEASE, MAY RESULT FROM CHRONIC EXPOSURE TO ANY DUST.

MUTAGENICITY:
THIS PRODUCT DOES NOT MEET THE CRITERIA FOR GERM CELL MUTAGENS UNDER OSHA REGULATIONS (29 CFR 1910.1200) (HAZCOM 2012).

CARCINOGENICITY:
THIS PRODUCT DOES NOT MEET THE CRITERIA FOR CARCINOGENS UNDER OSHA REGULATIONS (29 CFR 1910.1200) (HAZCOM 2012). NO COMPONENTS ARE LISTED AS CARCINOGENS BY ACGIH, IARC, OSHA OR NTP.

REPRODUCTIVE EFFECTS & TERATOGENICITY:
THIS MATERIAL IS NOT CLASSIFIED AS HAZARDOUS UNDER OSHA REGULATIONS (29CFR 1910.1200) (HAZCOM 2012).

SENSITIZATION TO MATERIAL:
THIS MATERIAL IS NOT CLASSIFIED AS HAZARDOUS UNDER OSHA REGULATIONS (29CFR 1910.1200) (HAZCOM 2012).

SPECIFIC TARGET ORGAN EFFECTS:
THIS MATERIAL IS NOT CLASSIFIED AS HAZARDOUS UNDER OSHA REGULATIONS (29CFR 1910.1200) (HAZCOM 2012).

IRRITANCY: MILD EYE IRRITANT. MILD SKIN IRRITANT.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:
PRE-EXISTING SKIN AND RESPIRATORY DISORDERS.

SYNERGISTIC MATERIALS: NOT AVAILABLE.

TOXICOLOGICAL DATA:
NO DATA IS AVAILABLE ON THE PRODUCT ITSELF. SEE BELOW FOR INDIVIDUAL INGREDIENT ACUTE TOXICITY DATA. CONTAINS NO INGREDIENTS THAT ARE CONSIDERED TO HAVE ACUTE TOXICITY HAZARDS.

| CHEMICAL NAME | LC50 (4HR) INH, RAT | LD50 | |
|-------------------|------------------------|-------------|------------------|
| | | (ORAL, RAT) | (RABBIT, DERMAL) |
| CALCIUM CARBONATE | >3 MG/L | 6450 MG/KG | >2000 MG/KG |
| TALC | N/AV | N/AV | N/AV |

OTHER IMPORTANT TOXICOLOGICAL HAZARDS:
NONE KNOWN OR REPORTED BY THE MANUFACTURER.

SECTION 12. ECOLOGICAL INFORMATION



ECOTOXICITY:
NO DATA IS AVAILABLE ON THE PRODUCT ITSELF. THE PRODUCT SHOULD NOT BE ALLOWED TO ENTER DRAINS OR WATER COURSES, OR BE DEPOSITED WHERE IT CAN AFFECT GROUND OR SURFACE WATERS. SEE THE FOLLOWING TABLES FOR INDIVIDUAL INGREDIENT ECOTOXICITY DATA.

ECOTOXICITY DATA:

| INGREDIENTS | CAS NO | TOXICITY TO FISH | | |
|-------------------|------------|------------------|---------------|----------|
| | | LC50 / 96H | NOEC / 21 DAY | M FACTOR |
| CALCIUM CARBONATE | 1317-65-3 | N/AV | N/AV | N/AV |
| TALC | 14807-96-6 | N/AV | N/AV | N/AV |

| INGREDIENTS | CAS NO | TOXICITY TO DAPHNIA | | |
|-------------------|------------|---------------------|-------------------|----------|
| | | EC50 48H | NOEC / 21 DAY | M FACTOR |
| CALCIUM CARBONATE | 1317-65-3 | N/AV | N/AV | N/AV |
| TALC | 14807-96-6 | N/AV | N/AV | N/AV |
| INGREDIENTS | CAS NO | TOXICITY TO ALGAE | | |
| | | EC50 96H OR 72H | NOEC / 96H OR 72H | M FACTOR |
| CALCIUM CARBONATE | 1317-65-3 | N/AV | N/AV | N/AV |
| TALC | 14807-96-6 | N/AV | N/AV | N/AV |

PERSISTENCE AND DEGRADABILITY: THE PRODUCT ITSELF HAS NOT BEEN TESTED.

BIOACCUMULATION POTENTIAL: THE PRODUCT ITSELF HAS NOT BEEN TESTED.

MOBILITY IN SOIL: THE PRODUCT ITSELF HAS NOT BEEN TESTED.

OTHER ADVERSE ENVIRONMENTAL EFFECTS: NONE KNOWN.

SECTION 13. DISPOSAL CONSIDERATIONS

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HANDLING FOR DISPOSAL:

HANDLE WASTE ACCORDING TO RECOMMENDATIONS IN SECTION 7.

METHODS OF DISPOSAL:

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS.

RCRA:

IF THIS PRODUCT, AS SUPPLIED, BECOMES A WASTE IN THE UNITED STATES, IT MAY MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED UNDER RCRA, TITLE 40 CFR 261. IT IS THE RESPONSIBILITY OF THE WASTE GENERATOR TO DETERMINE THE PROPER WASTE IDENTIFICATION AND DISPOSAL METHOD. FOR DISPOSAL OF UNUSED OR WASTE MATERIAL, CHECK WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL AGENCIES.

SECTION 14. TRANSPORTATION INFORMATION

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| REGULATORY INFORMATION | UN NUMBER | UN PROPER SHIPPING NAME | TRANSPORT HAZARD CLASS (ES) | PACKING GROUP | LABEL |
|----------------------------------------|--------------|-------------------------------|-----------------------------------|------------------|------------------------|
| 49CFR/DOT | NONE. | NOT REGULATED. | NOT REGULATED | NONE | NO PLACARD REQUIRED |
| 49CFR/DOT ADDITIONAL INFORMATION | NONE. | | | | |
| TDG | NONE. | NOT REGULATED. | NOT REGULATED | NONE | NO PLACARD REQUIRED |
| TDG ADDITIONAL INFORMATION | NONE. | | | | |
| ICAO/IATA | NONE. | NOT REGULATED. | NOT REGULATED | NONE | NO PLACARD REQUIRED |
| ICAO/IATA ADDITIONAL INFORMATION | NONE. | | | | |

SPECIAL PRECAUTIONS FOR USER:

APPROPRIATE ADVICE ON SAFETY MUST ACCOMPANY THE PACKAGE.

ENVIRONMENTAL HAZARDS:

THIS SUBSTANCE DOES NOT MEET THE CRITERIA FOR AN ENVIRONMENTALLY HAZARDOUS SUBSTANCE ACCORDING TO THE IMDG CODE. SEE ECOLOGICAL INFORMATION, SECTION 12.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:
THIS INFORMATION IS NOT AVAILABLE.

SECTION 15. REGULATORY INFORMATION

US FEDERAL INFORMATION:

COMPONENTS LISTED BELOW ARE PRESENT ON THE FOLLOWING U.S. FEDERAL CHEMICAL LISTS:

| INGREDIENTS | CAS # | TSCA INVENTORY | CERCLA REPORTABLE QUANTITY (RQ) (40 CFR 117.302) |
|-------------------|------------|----------------|--------------------------------------------------------|
| CALCIUM CARBONATE | 1317-65-3 | YES | N/AP |
| TALC | 14807-96-6 | YES | N/AP |

| INGREDIENTS | SARA TITLE III: SEC. 302, EXTREMELY HAZARDOUS SUBSTANCE, 40 CFR 355 | SARA TITLE III: SEC 313 40 CFR 372, SPECIFIC TOXIC CHEMICAL TOXIC CHEMICAL | DE MINIMUS CONCENTRATION |
|-------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------|
| CALCIUM CARBONATE | N/AV | NO | N/AP |
| TALC | N/AV | NO | N/AP |

SARA TITLE III:

SEC. 311 AND 312, MSDS REQUIREMENTS, 40 CFR 370 HAZARD CLASSES:
IMMEDIATE (ACUTE) HEALTH HAZARD. UNDER SARA SECTIONS 311 AND 312, THE EPA HAS ESTABLISHED THRESHOLD QUANTITIES FOR THE REPORTING OF HAZARDOUS CHEMICALS. THE CURRENT THRESHOLDS ARE 500 POUNDS FOR THE THRESHOLD PLANNING QUANTITY (TPQ), WHICHEVER IS LOWER, FOR EXTREMELY HAZARDOUS SUBSTANCES AND 10,000 POUNDS FOR ALL OTHER HAZARDOUS CHEMICALS.

US STATE RIGHT TO KNOW LAWS:

THE FOLLOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STATES:

| INGREDIENTS | CAS # | CALIFORNIA PROPOSITION 65 LISTED TYPE OF TOXICITY | STATE "RIGHT TO KNOW" LISTS CA MA MN NJ PA RI | | | | | | |
|----------------------|------------|------------------------------------------------------------|--------------------------------------------------|-----|-----|-----|-----|-----|-----|
| CALCIUM CARBONATE | 1317-65-3 | NO | N/AP | NO | YES | YES | YES | YES | YES |
| TALC | 14807-96-6 | NO | N/AP | YES | YES | YES | YES | YES | YES |

CANADIAN INFORMATION:

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) INFORMATION:
ALL INGREDIENTS LISTED APPEAR ON THE DOMESTIC SUBSTANCES LIST (DSL).

WHMIS INFORMATION:

REFER TO SECTION 2 FOR A WHMIS CLASSIFICATION FOR THIS PRODUCT.

THIS PRODUCT HAS BEEN CLASSIFIED ACCORDING TO THE HAZARD CRITERIA OF THE

CPR AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

INTERNATIONAL INFORMATION:

COMPONENTS LISTED BELOW ARE PRESENT ON THE FOLLOWING INTERNATIONAL INVENTORY LIST:

| INGREDIENTS | CAS # | EUROPEAN EINECS | AUSTRALIA AICS | PHILIPPINES PICCS |
|-------------------|------------------|--------------------|-------------------|----------------------|
| CALCIUM CARBONATE | 1317-65-3 | 215-279-6 | PRESENT | PRESENT |
| TALC | 14807-96-6 | 238-877-9 | PRESENT | PRESENT |
| INGREDIENTS | JAPAN ENCS | KOREA KECI/KECL | CHINA IECSC | NEWZEALAND IOC |
| CALCIUM CARBONATE | (1)-122 | KE-21996 | PRESENT | NOT LISTED |
| TALC | (1)-468; (1)-468 | KE-32773 | PRESENT | NOT LISTED |

SECTION 16. OTHER INFORMATION



LEGEND:

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

CA: CALIFORNIA

CAS: CHEMICAL ABSTRACT SERVICES

CERCLA:
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF
1980

CFR: CODE OF FEDERAL REGULATIONS

DOT: DEPARTMENT OF TRANSPORTATION

EPA: ENVIRONMENTAL PROTECTION AGENCY

HMIS: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HSDB: HAZARDOUS SUBSTANCES DATA BANK

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

INH: INHALATION

IUCLID: INTERNATIONAL UNIFORM CHEMICAL INFORMATION DATABASE

MA: MASSACHUSETTS

MN: MINNESOTA

MPPCF: MILLION PARTICLES PER CUBIC FOOT

MSHA: MINE SAFETY AND HEALTH ADMINISTRATION

N/AP: NOT APPLICABLE

N/AV: NOT AVAILABLE

NFPA: NATIONAL FIRE PROTECTION ASSOCIATION

NIOSH: NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH

NJ: NEW JERSEY

NTP: NATIONAL TOXICOLOGY PROGRAM

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

PA: PENNSYLVANIA

PEL: PERMISSIBLE EXPOSURE LIMIT

RCRA: RESOURCE CONSERVATION AND RECOVERY ACT

RI: RHODE ISLAND

RTECS: REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES

SARA: SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT

STEL: SHORT TERM EXPOSURE LIMIT

TDG: CANADIAN TRANSPORTATION OF DANGEROUS GOODS ACT & REGULATIONS

TLV: THRESHOLD LIMIT VALUES

TWA: TIME WEIGHTED AVERAGE

WHMIS: WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

REFERENCES:

1. ACGIH, THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS & BIOLOGICAL EXPOSURE INDICES FOR 2014.
2. INTERNATIONAL AGENCY FOR RESEARCH ON CANCER MONOGRAPHS, SEARCHED 2014.
3. CANADIAN CENTRE FOR OCCUPATIONAL HEALTH AND SAFETY, CCINFOWEB DATABASES, 2015 (CHEMPENDIUM, HSDB AND RTECS).
4. MATERIAL SAFETY DATA SHEETS FROM MANUFACTURER.
5. US EPA TITLE III LIST OF LISTS - OCTOBER 2012
6. CALIFORNIA PROPOSITION 65 LIST - 26 DECEMBER 2014

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(M)SDS SECTIONS UPDATED: ALL SECTIONS MODIFIED.

OTHER SPECIAL CONSIDERATIONS FOR HANDLING:

PROVIDE ADEQUATE INFORMATION, INSTRUCTION AND TRAINING FOR OPERATORS.

HMIS RATING:

HEALTH 1
FLAMMABILITY 0
REACTIVITY 0

* - CHRONIC HAZARD
0 - MINIMAL
1 - SLIGHT
2 - MODERATE
3 - SERIOUS
4 - SEVERE

NFPA RATING:

HEALTH 1

FLAMMABILITY 0
INSTABILITY 0
SPECIAL HAZARDS NONE.

0 - MINIMAL
1 - SLIGHT
2 - MODERATE
3 - SERIOUS
4 - SEVERE

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