SAFETY DATA SHEET

1. *CHEMICAL PRODUCT & MANUFACTURER:*

dasManufacturing Inc.
3610 Cinnamon Trace Drive
Valrico, FL 33596
800 549 6024

PRODUCT: RS-222 Weatherskin Mastic
Recommended for use as: Seam Sealer
Restrictions on use:

PRODUCT NAME: RS-222 Weatherskin Mastic
CHEMICAL FAMILY: HYDROCARBON

MANUFACTURER/DISTRIBUTOR:
SAME AS ABOVE

TELEPHONE:
SAME AS ABOVE

24 HOUR EMERGENCY CONTACT NUMBER: ChemTrec - 800-424-9300

2. *HAZARDS IDENTIFICATION:*

GHS Rating (1=Most Severe 4=Least Severe): HEALTH 2 FLAMMABILITY 2 REACTIVITY 0

DANGER

Highly flammable liquid and vapor. (H225)
Causes skin irritation. (H315)
May be fatal if swallowed and enters airways. (H304)
May cause drowsiness or dizziness. (H336)

Precautionary Statement(s):

Do not handle until all safety precautions have been read and understood (P202)
Store in a well-ventilated place. Keep containers tightly closed. Keep cool. (P403 + P233+P235)
Keep away from heat/sparks/open flames/hot surfaces-No smoking. (P210)
Ground/bond container and receiving equipment. Take precautionary measures against static discharge. (P240+P243)
IF SWALLOWED: Get medical advice/attention Immediately call a POISON CENTER or doctor/physician.. (P301 +P310+ P313)
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing ((P304 + PP340)
If on skin (or hair): Remove/Take-off immediately all contaminated clothing. Rinse skin with water/shower. (P303+ P361+P353)
Do NOT induce vomiting. (P331)

Wear protective gloves/protective clothing. Manufacturer/supplier or the competent authority to specify type of equipment (P280)
Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools (P241 + P242)
Dispose of contents/container to approved disposal facility. (P501)
Avoid breathing dust/fume/gas/mist/vapors/spray (P261)
In case of fire: Use NFPA Class B extinguishers. If water is used, use fog nozzles. (P370 + P378)

3. *COMPOSITION & PRODUCT INFORMATION ON HAZARDOUS INGREDIENTS:*

	WT%	CAS#	ACGIH TLV-8 HR/TWA
TOLUENE	33.67	108-88-3	20 PPM

4. *FIRST AID MEASURES:*

INHALATION: REMOVE TO FRESH AIR IF OVERCOME. IF BREATHING HAS STOPPED BEGIN CPR. CALL A PHYSICIAN AT ONCE.

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.

SKIN CONTACT: WASH WITH HAND CLEANER; FOLLOW WITH SOAP AND WATER.

PERSONAL PROTECTION: ACGIH STEL: 50 PPM
RESPIRATORY PROTECTION: VENTILATE TO KEEP VAPORS BELOW THRESHHOLD LIMIT VALUES. NIOSH APPROVED RESPIRATORS FOR AREAS OF CONCENTRATED VAPORS.
EYES: SPLASH GOGGLES FOR LIQUID PRODUCTS
GLOVES: MUST BE IMPERVIOUS TO SOLVENTS

INGESTION: DO NOT INDUCE VOMITING. CALL PHYSICIAN AT ONCE.

NOTE TO PHYSICIAN: CONTAINS PETROLEUM DISTILLATES.

PRIMARY ROUTES OF ENTRY: INHALATION, SKIN

5. *FIRE FIGHTING MEASURES:*

FLASHPOINT, TAG CLOSED CUP: 40 F

GENERAL HAZARD: EXTREMELY FLAMMABLE. MAY FORM COMBUSTIBLE OR EXPLOSIVE MIXTURES WITH AIR. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL CONSIDERABLE DISTANCES TO IGNITION SOURCES AND FLASH BACK.

FIRE FIGHTING INSTRUCTIONS: WATER SPRAY MAY BE INEFFECTIVE BUT MAY BE USED TO COOL CLOSED CONTAINERS. IF WATER IS USED, USE FOG NOZZLES.

FIRE FIGHTING EQUIPMENT: NFPA CLASS B EXTINGUISHERS (CO2, FOAM, DRY CHEMICAL) AND SELF-CONTAINED BREATHING APPARATUS

COMBUSTION PRODUCTS: SMOKE, NORMAL COMBUSTION PRODUCTS.

6. *ACCIDENTAL RELEASE MEASURES:*

LAND SPILL: REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA AND REMOVE MATERIAL WITH ABSORBENTS AND/OR NON-SPARKING TOOLS.

WATER SPILL: USE ABSORBENT BOOMS TO DIKE AREA AND MINIMIZE AREA OF CONTAMINATION.

7. *STORAGE AND HANDLING:*

STORAGE TEMPERATURE: AMBIENT
STORAGE PRESSURE: ATMOSPHERIC

GENERAL: KEEP MATERIAL AWAY FROM HEAT, SPARK AND OPEN FLAME. DO NOT STORE IN OPEN OR UNLABELED CONTAINERS. USE WITH ADEQUATE VENTILATION. DO NOT STORE ABOVE 120F
STATIC ACCUMULATOR: THIS MAY FORM AN IGNITABLE VAPOR/AIR MIXTURE IN CLOSED TANKS OR CONTAINERS. CONTAINERS SHOULD BE GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUIDS. DO NOT CUT, BRAZE OR WELD. ***FOR INDUSTRIAL USE ONLY.*** **KEEP OUT OF THE REACH OF CHILDREN.**
READ PRODUCT LABEL AND OBSERVE ALL PRECAUTIONS BEFORE USE.

==========

8. *EXPOSURE CONTROL/PERSONAL PROTECTION :*

ENGINEERING CONTROLS: LOCAL EXHAUST: PREFERABLE
MECHANICAL EXHAUST: ACCEPTABLE-USE ONLY
CLASS I GROUP D APPROVED DEVICES.

9. *PHYSICAL AND CHEMICAL PROPERTIES:*

SPECIFIC GRAVITY: 1.2
DENSITY: (IN LBS): 10.01
VAPOR DENSITY: AP 3 (air=1)
EVAPORATION RATE (nBuAc=1): 1.9
SOLUBILITY IN WATER: NIL
BOILING RANGE (F): 228-231F
PHYSICAL STATE: Paste
% VOLATILE BY VOLUME: 28.4
AUTOIGNITION TEMPERATURE: 997F
DECOMPOSITION TEMPERATURE: NOT AVAILABLE
EXPLOSIVE/FLAMMABLE LIMITS: (LEL): 1.2 (UEL): 7

FLASH POINT: TAG CLOSED CUP: 40 F
VAPOR PRESSURE AT 20C (MM OF HG): 24
(VOC) CONTENT: 404 g/liter
APPEARANCE: M5025W=white paste M5025B=black paste
ODOR: CHARACTERISTIC HYDROCARBON SOLVENT
ODOR THRESHOLD: NO DATA
PH: NOT APPLICABLE
MELTING POINT/FREEZING POINT: -139 F
PARTITION COEFFICIENT: n-octanol/water= NO DATA

10. *STABILITY AND REACTIVITY:*

GENERAL: THIS PRODUCT IS STABLE AND HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: AVOID STRONG OXIDIZING AGENTS. AVOID ALL SOURCES OF IGNITION. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A CONSIDERABLE DISTANCE TO AN IGNITION SOURCE AND FLASHBACK.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

11. *TOXICOLOGICAL INFORMATION:*

NOT IDENTIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA

HEALTH EFFECTS:
LIKELY ROUTES OF EXPOSURE: skin adsorption, inhalation
DELAYED AND IMMEDIATE CHRONIC EFFETS FROM SHORT AND LONG-TERM EXPOSURE:
Skin: dry skin, dermatitis, de-fatting of the skin with chapping and cracking.
Inhalation: Inebriation, followed by headache and nausea. Dizziness, convulsions and unconsciousness in severe cases. Anorexia and nervousness may persist for several months following acute overexposure.

NUMERICAL MEASURES (ACUTE TOXICITY ESTIMATE):

12. *ECOLOGICAL INFORMATION:*

AQUATIC AND/OR TERRESTRIAL EXOTOXICITY: UNKNOWN
PERSISTENCE AND DEGRADABILITY: UNKNOWN
BIOACCUMLATIVE POTENTIAL: UNKNOWN

13. *DISPOSAL CONSIDERATIONS:*

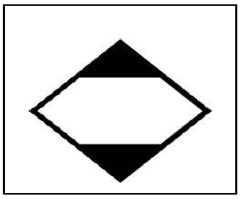
THIS MATERIAL IS CONSIDERED A HAZARDOUS WASTE FOR DISPOSAL PURPOSES. SEE 40 CFR PART 261.7 FOR FURTHER INFORMATION CONCERNING THE DISPOSITION OF EMPTY CONTAINERS. HAZARDOUS WASTES MAY NOT BE LANDFILLED! REFER TO 40 CFR PART 261 SUBPART C FOR DEFINITIONS OF HAZARDOUS WASTE.

14. *TRANSPORTATION INFORMATION:*

U.S. Department of Transportation (DOT)

Shipping Description:	**UN1133, Adhesives, 3, PGII**
Non-Bulk Package marking:	**Adhesives, UN1133**
Non-bulk package labeling:	**Flammable liquid**
Packaging references:	**49 CFR 172.101 adhesives containing a flammable liquid**
Exceptions:	**173.150 Consumer commodity LQ-label no other marking required**
Hazardous Substance:	**See section for RQ's if applicable**
Emergency Response Guide:	**128**

SPECIAL SHIPPING INFORMATION: *WHEN PACKAGED IN CAULKING TUBES IN TESTED, CARDBOARD OUTER CARTONS WEIGHING < 66 POUNDS, THIS MATERIAL MAY BE SHIPPED PER HM-215K AS A LIMITED QUANTITY. SHIPPED AS A LIMITED QUANTITY, A LIMITED QUANTITY SHIPPING LABEL IS REQUIRED ON THE CARTON ONLY. OTHER SPECIAL DESCRIPTIONS, MARKS, LABELS OR PLACARDS ARE NOT NECESSARY AND THE MATERIAL MAY BE DESCRIBED ON THE BILL OF LADING BY PRODUCT NAME RATHER THAN PROPER SHIPPING DESCRIPTION.*



LIMITED QUANTITY LABEL
(Actual size is 100mm X 100mm)

International Maritime Dangerous Goods (IMDG)

Shipping Description:	**UN1133, Adhesives, 3, PGII**
Non-bulk Package marking:	**Adhesives, UN1133**
Labels:	**Flammable liquid**
Packaging-Non-Bulk:	**P001 UN MODEL RULES ALSO: 49 CFR 172.101 adhesives containing a flammable liquid**
Exceptions:	**PP1 UN MODEL RULES ALSO: 173.150 Consumer commodity LQ-label no other marking required**
EMS:	
Marine pollutant:	

International Civil Aviation Org./ International Air Transport Assoc. (ICAO/IATA)

UN/ID #:	**UN1133**
Proper Shipping Name:	**Adhesives**
Hazard Class/Division:	**3**
Subsidiary risk:	
Packing Group:	**II**
Non-Bulk Package marking:	**Adhesives, UN1133**
Labels:	**Flammable liquid**
Exceptions:	**UN/ID#8000 Consumer commodity Limited Quantity for air label**
ERG Code:	**128**

15. *REGULATORY INFORMATION:*

OSHA STATUS: HAZARDOUS

CERCLA REPORTABLE QUANTITY: NONE

SARA TITLE III:
SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES: NONE
SECTION 311/312: 311-YES 312-YES
SECTION 313: Contains 33.67 % toluene which is a reportable Section 313 chemical

RCRA STATUS: IF DISCARDED IN ITS PURCHASED FORM, THIS PRODUCT IS A RCRA HAZARDOUS WASTE. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR RESIDUE OF THE PRODUCT REMAINS CLASSIFIED A HAZARDOUS WASTE AS PER 40 CFR 261, SUBPART C. STATE OR LOCAL REGULATIONS MAY ALSO APPLY IF THEY DIFFER FROM THE FEDERAL REGULATION.

TSCA Status: All materials contained in this product are TSCA listed.
Canadian Status: All materials contained in this product are listed on the Canadian Domestic Substances List
European Union Status: All materials contained in this product are listed on EINECS

16. *OTHER INFORMATION:*

APPROVAL DATE: 01-05-2015
SUPERSEDES DATE:
REASON FOR REVISION: NEW SDS FORMAT
MSDS FORMAT: TOLUENE PRODUCTS AND MIXTURES

THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. INFORMATION IS BASED UPON SUPPLIER-ISSUED SAFETY DATA SHEETS AND MAY BE SUBJECT TO ERROR. IF APPRISED OF CHANGES, UPDATED SDS WILL BE PROMPTLY ISSUED. USERS MUST MAKE THEIR DETERMINATION REGARDING THE SUITABILITY OF THE PRODUCT FOR THEIR OWN PURPOSES PRIOR TO USE.

READ PRODUCT LABEL CAREFULLY BEFORE USE AND FOLLOW ALL PRECAUTIONS.

END OF SDS