3/3/81

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

## SECTION I

| | |
|---|---|
| MANUFACTURER'S NAME: Johns-Manville Corp. & Subsidiaries | EMERGENCY TELEPHONE NO.: 303/978-3118 |
| ADDRESS (Number, Street, City, State, and ZIP Code): Ken-Caryl Ranch, Denver, Colorado 80217 | |
| CHEMICAL NAME AND SYNONYMS: Reinforced asphaltic coating | TRADE NAME AND SYNONYMS: INSULKOTE ST |
| CHEMICAL FAMILY | FORMULA |

## SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % | TLV (Units) |
|---|---|---|---|---|---|
| PIGMENTS | | | BASE METAL | | |
| CATALYST | | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS Mineral Spirits | 20 | 500 ppm | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES | | | OTHERS | | |
| OTHERS | | | | | |

| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES | % | TLV (Units) |
|---|---|---|
| Chrysotile Asbestos Fiber (firmly bound in product) | 15 | * |
| Asphalt | 40 | 5 mg/M³ (fumes) |
| | | |
| *For TLV, see attached (29 CFR 1910.1001) | | |

## SECTION III - PHYSICAL DATA

| | | | |
|---|---|---|---|
| BOILING POINT (°F.) | | SPECIFIC GRAVITY ($H_2O$=1) | 1.2 |
| VAPOR PRESSURE (mm Hg.) | | PERCENT, VOLATILE XXXXXXXXXXXX% | 20 |
| VAPOR DENSITY (AIR=1) | | EVAPORATION RATE (_____ =1) | |
| SOLUBILITY IN WATER | Negligible | | |
| APPEARANCE AND ODOR | Black semi-liquid, asphaltic odor | | |

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| FLASH POINT (Method used) | FLAMMABLE LIMITS | Lel | Uel |
|---|---|---|---|
| 120°F Pensky-Martin closed cup | | | |

EXTINGUISHING MEDIA
$CO_2$, dry chemical, foam, water fog

SPECIAL FIRE FIGHTING PROCEDURES

UNUSUAL FIRE AND EXPLOSION HAZARDS
Combustible liquid



(Continued on reverse side)

Form OSHA-20
Rev. May 72

*Johns-Manville Material Safety Data Sheet for INSULKOTE ST (1981)*
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## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
See section II

EFFECTS OF OVEREXPOSURE
Skin and eye irritant. Inhalation of excessive amounts of solvent fumes may involve reversible and irreversible changes.

EMERGENCY AND FIRST AID PROCEDURES
Skin contact - wash with soap and water. Eye contact - flush with copious amounts of water. If irritation persists, consult a physician. Inhaltion - remove to fresh air, call a physician.

## SECTION VI - REACTIVITY DATA

| | | | |
|---|---|---|---|
| STABILITY | UNSTABLE | | CONDITIONS TO AVOID |
| | STABLE | X | |

INCOMPATABILITY *(Materials to avoid)*
None in designed use.

HAZARDOUS DECOMPOSITION PRODUCTS
Paraffinic and aromatic hydrocarbons

| | | | |
|---|---|---|---|
| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID |
| | WILL NOT OCCUR | X | |

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Clean up immediately. Keep away from heat, sparks and open flame. Avoid breathing solvent fumes.

WASTE DISPOSAL METHOD
Comply with 40 CFR, Chapter 1, Part 61.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
NIOSH approved for protection against organic vapors.

| | | |
|---|---|---|
| VENTILATION | LOCAL EXHAUST: Recommended in confined spaces. | SPECIAL |
| | MECHANICAL *(General)* | OTHER |

| | |
|---|---|
| PROTECTIVE GLOVES: Recommended | EYE PROTECTION: Recommended |

OTHER PROTECTIVE EQUIPMENT

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Do not store near sources of ignition.

OTHER PRECAUTIONS
Use only with adequate natural or mechanical ventilation. See caution label on can.

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, JOHNS-MANVILLE CORPORATION MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.


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