

MATERIAL SAFETY DATA SHEET (MSDS)

Please retain for your records.

MATERIAL SAFETY DATA SHEET

75176
4E835, 4E837

SECTION I - PRODUCT IDENTIFIER

PRODUCT: PIPE SAVER P51, P55, PS30, PS55

SUPPLIER: Virginia KMP

4100 Platinum Way
Dallas, Texas 75237
214-340-1731

Emergency Phone: Chemtrec 1-800-424-9300
International 202-483-7616

NFPA Ratings:

Health: 1

Fire: 0

React: 0

Special: --

0-LEAST to 4-EXTREME

HMIS PERSONAL PROT: B

CLEAN WATER ACT: Not listed

STATES LISTS: Pennsylvania

TOXIC SUBSTANCES CONTROL ACT (TSCA), 40 CFR 710

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Sect. 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

Footnotes:

NA-Not applicable ND-Data not available

CS-Cancer Suspect Agent

OX-Oxidizer Cor-Corrosive

CALC-Calculated EST-Estimated

STEL-Short Time Exposure Limit

TLV-Threshold Limit Value

PEL-Permissible Exposure Limit

TWA-Time Weighted Average, 8 hours

HMIS, PPI-Hazardous Material Identification System, Personal

Protection Index.

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS-(CAS Number) EXPOSURE LIMITS

Propylene glycol (57-55-6)-----NO DATA AVAILABLE

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Above 212 F

MELTING POINT: NA

SPECIFIC GRAVITY (H2O-1): 1.1

VAPOR PRESSURE: ND

VAPOR DENSITY (Air-1): < 1

EVAPORATION RATE (BuAc-1): > 1

SOLUBILITY IN WATER: complete

pH: 9 - 10

VOC: ND

APPEARANCE AND ODOR: blue liquid, bland odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method): None - Water solution

FLAMMABLE LIMITS: Lower[NA] Upper[NA]

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding conditions.

SPECIAL FIRE FIGHTING PROCEDURES: Approach fire from upwind side. Avoid breathing smoke, fumes, mist, or vapors on the downwind side. Firefighters wear protective clothing, and self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

If stored in drums: Containers may rupture from internal pressure if confined to fire area. Cool with water. Get non-emergency personnel out of the area.

SECTION V - REACTIVITY INFORMATION

STABILITY: PRODUCT IS, Stable INCOMPATIBILITY:

MATERIALS TO AVOID: oxidizers, acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: From combustion: smoke,

carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY

INHALATION? possible - irritant

SKIN/EYES? Yes - irritant

SKIN ABSORPTION? unlikely

INGESTION? possible - irritant

HEALTH HAZARDS

ACUTE: Irritating to skin and eyes.

CHRONIC: None Established

CARCINOGENICITY: LISTED IN NTP? No IARC MONOGRAPHS? No

OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE: Skin irritation develops slowly after contact, eye irritation develops immediately upon contact.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Pre-existing skin disorders.

FIRST AID PROCEDURES

EYE CONTACT: Flush eyes with water 15 minutes. Get medical attention if symptoms develop and persist.

SKIN CONTACT: Flush with water or soap and water for 15 minutes or until all traces have been removed. Seek medical attention if symptoms develop and persist.

INGESTION: Do not induce vomiting. Rinse mouth out with water. Get immediate medical attention.

INHALATION: Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact a physician immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES: Emergency response coordinator must have mandated training. Eliminate all ignition sources.

SMALL SPILLS: Pick up with absorbent materials and place in non-leaking containers; seal tightly for proper disposal or reuse.

LARGE SPILLS: Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store away from oxidizers.

OTHER PRECAUTIONS: Clean up leaks/spills immediately to prevent soil or water contamination.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Not normally needed, under normal conditions of use.

VENTILATION: LOCAL EXHAUST - Recommended, SPECIAL - Not necessary, MECHANICAL-Recommended, OTHER - Not necessary

PROTECTIVE GLOVES: Not normally needed, under normal conditions of use.

EYE PROTECTION: Chemical goggles or full face shield.

OTHER PROTECTIVE EQUIPMENT: Boots, aprons, drench showers, eye wash as needed for protection against spills and/or splashes.

WORK HYGIENIC PRACTICES: Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in section VI. Launder contaminated clothing before reuse.

SECTION IX - TRANSPORTATION INFORMATION

Not Regulated

SECTION X - REGULATORY/ENVIRONMENTAL

EPA HAZARDS: ACUTE-Yes, CHRONIC-No, FLAMMABILITY-No,

SUDDEN RELEASE OF PRESSURE-No, REACTIVE-No

SARA Title III Section 313, Toxic Materials: Not listed

CLEAN AIR ACT: Section 111

The data presented is true and correct to the best of our knowledge and belief, however, neither seller nor preparer makes any warranties, express or implied, concerning the information presented. The user is cautioned to perform his own hazard evaluation and to rely upon his own determinations.

SCIENTIFIC INFORMATION SERVICES

Telephone (817) 560-4631

Form essentially the same as OSHA Form 174 dated September 1985

Preparation date: July 11, 1991