

Safety Data Sheet

Supply Co. - FUEL TANK REPAIR KIT RESIN, 90180, VERSACHEM HEAVY DUTY FUEL TANK REPAIR KIT (HA

Document Nbr: 088222
Class C Parts IDs 19419

PERMATEX(R*)

SAFETY DATA SHEET

REVISION DATE: 18-JUN-2015

VERSION: 1

-----1. IDENTIFICATION -----

PRODUCT IDENTIFIER:

PRODUCT NAME: FUEL TANK REPAIR KIT RESIN

OTHER MEANS OF IDENTIFICATION:

PRODUCT CODE: 90180

SYNONYMS: NONE

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: (EPOXY RESIN)

USES ADVISED AGAINST: NO INFORMATION AVAILABLE

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

MANUFACTURER ADDRESS:

ITW PERMATEX

10 COLUMBUS BLVD.

HARTFORD, CT 06106

USA

DISTRIBUTOR:

ITW PERMATEX CANADA

35 BROWNRIDGE ROAD, UNIT 1

HALTON HILLS, ON L7G 0C6

CANADA

TELEPHONE: (800) 924-6994

COMPANY PHONE NUMBER:

1-87-PERMATEX

(877) 376-2839

24 HOUR EMERGENCY PHONE NUMBER:

CHEM-TEL: 800-255-3924

INTERNATIONAL EMERGENCY: 00+1+813-248-0585

CONTRACT NUMBER: MIS0003453

E-MAIL ADDRESS: MAIL@PERMATEX.COM

-----2. HAZARDS IDENTIFICATION -----

CLASSIFICATION:

OSHA REGULATORY STATUS:

THIS CHEMICAL IS CONSIDERED HAZARDOUS BY THE 2012 OSHA HAZARD COMMUNICATION
STANDARD (29 CFR 1910.1200)

SKIN SENSITIZATION: CATEGORY 1

CARCINOGENICITY: CATEGORY 2

LABEL ELEMENTS:

EMERGENCY OVERVIEW:

WARNING:

MAY CAUSE AN ALLERGIC SKIN REACTION

SUSPECTED OF CAUSING CANCER

EXCLAMATION MARK

HEALTH HAZARD

APPEARANCE: BLACK

PHYSICAL STATE: VISCOUS LIQUID

ODOR: MILD

PRECAUTIONARY STATEMENTS - PREVENTION:

OBTAIN SPECIAL INSTRUCTIONS BEFORE USE

DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD

USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED

AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY

CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE

WEAR PROTECTIVE GLOVES

PRECAUTIONARY STATEMENTS - RESPONSE:

IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION

SPECIFIC TREATMENT (SEE SUPPLEMENTAL FIRST AID INSTRUCTIONS ON THIS LABEL)

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER

IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION

WASH CONTAMINATED CLOTHING BEFORE REUSE

PRECAUTIONARY STATEMENTS - STORAGE: STORE LOCKED UP

PRECAUTIONARY STATEMENTS - DISPOSAL:

DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): NOT APPLICABLE

OTHER INFORMATION: HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS

UNKNOWN ACUTE TOXICITY:

96.31% OF THE MIXTURE CONSISTS OF INGREDIENTS) OF UNKNOWN TOXICITY

-----3. COMPOSITION/INFORMATION ON INGREDIENTS -----

SUBSTANCE(S):

CHEMICAL NAME	CAS NO	WEIGHT-%	TRADE SECRET
EPOXY RESIN (EPICHLOROHYDRIN, BISPHENOL A)	25085-99-8	60 - 100	*
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN	25068-38-6	1 - 5	*
CARBON BLACK	1333-86-4	0.1 - 1	*

*THE EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS
A TRADE SECRET.

-----4. FIRST AID MEASURES -----

DESCRIPTION OF FIRST AID MEASURES:

GENERAL ADVICE: GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL.

EYE CONTACT:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES,
IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

SKIN CONTACT:

IF ON SKIN: WASH WITH SOAP AND WATER.

IF SKIN IRRITATION OR RASH OCCURS:

GET MEDICAL ADVICE/ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

INHALATION:

IF INHALED:

REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR
BREATHING. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

INGESTION:

IF SWALLOWED:

DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS
PERSON. CALL A PHYSICIAN.

SELF-PROTECTION OF THE FIRST AIDER:

USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. AVOID CONTACT WITH SKIN,
EYES OR CLOTHING.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

SYMPTOMS: SEE SECTION 2 FOR MORE INFORMATION.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTE TO PHYSICIANS: TREAT SYMPTOMATICALLY.

-----5. FIRE-FIGHTING MEASURES -----

SUITABLE EXTINGUISHING MEDIA: CARBON DIOXIDE (CO₂), DRY CHEMICAL, FOAM

UNSUITABLE EXTINGUISHING MEDIA: NONE.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE IN PARTICULAR.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NONE.

SENSITIVITY TO STATIC DISCHARGE: NONE.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND,
MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

-----6. ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS:

ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. AVOID CONTACT
WITH EYES AND SKIN. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.

ENVIRONMENTAL PRECAUTIONS:

ENVIRONMENTAL PRECAUTIONS:

SEE SECTION 12 FOR ADDITIONAL ECOLOGICAL INFORMATION.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

METHODS FOR CONTAINMENT:

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

METHODS FOR CLEANING UP:

ENSURE ADEQUATE VENTILATION. SOAK UP WITH INERT ABSORBENT MATERIAL. SWEEP UP AND SHOVEL INTO SUITABLE CONTAINERS FOR DISPOSAL.

PREVENTION OF SECONDARY HAZARDS:

CLEAN CONTAMINATED OBJECTS AND AREAS THOROUGHLY OBSERVING ENVIRONMENTAL REGULATIONS.

-----7. HANDLING AND STORAGE -----

PRECAUTIONS FOR SAFE HANDLING:

ADVICE ON SAFE HANDLING:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.

AVOID BREATHING VAPORS OR MISTS. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE REUSE.

USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE CONDITIONS:

KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE. STORE

LOCKED UP.

INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS, BASES, ACIDS, AMINES

-----8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

CONTROL PARAMETERS:

EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
CARBON BLACK	TWA:	TWA:	IDLH:
1333-86-4	3 MG/M3	3.5 MG/M3	1750 MG/M3
	INHALABLE FRACTION		
		(VACATED) TWA:	TWA:
		3.5 MG/M3	3.5 MG/M3
			TWA:
			0.1 MG/M3
			CARBON BLACK IN
			PRESENCE OF

POLYCYCLIC AROMATIC

HYDROCARBONS PAH

NIOSH IDLH: IMMEDIATELY DANGEROUS TO LIFE OR HEALTH

OTHER INFORMATION:

VACATED LIMITS REVOKED BY THE COURT OF APPEALS DECISION IN AFL-CIO V. OSHA,
965 F.2D 962 (11TH CIR., 1992).

APPROPRIATE ENGINEERING CONTROLS:

ENGINEERING CONTROLS:

SHOWERS

EYEWASH STATIONS

VENTILATION SYSTEMS

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

SKIN AND BODY PROTECTION: WEAR PROTECTIVE GLOVES AND PROTECTIVE CLOTHING.

RESPIRATORY PROTECTION:

USE NIOSH-APPROVED AIR-PURIFYING RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR CANISTER, AS APPROPRIATE.

GENERAL HYGIENE CONSIDERATIONS:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.

REGULAR CLEANING OF EQUIPMENT, WORK AREA AND CLOTHING IS RECOMMENDED.

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: VISCOUS LIQUID

APPEARANCE: BLACK

ODOR: MILD

ODOR THRESHOLD: NO INFORMATION AVAILABLE

PROPERTY	VALUES	REMARKS - METHOD
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PH	NO INFORMATION AVAILABLE	
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MELTING POINT / FREEZING POINT NO INFORMATION AVAILABLE

BOILING POINT / BOILING RANGE NO INFORMATION AVAILABLE

FLASH POINT >204 DEG. C / >400 DEG. F

EVAPORATION RATE NO INFORMATION AVAILABLE

FLAMMABILITY (SOLID, GAS) NO INFORMATION AVAILABLE

FLAMMABILITY LIMIT IN AIR:

UPPER FLAMMABILITY LIMIT NO INFORMATION AVAILABLE

LOWER FLAMMABILITY LIMIT NO INFORMATION AVAILABLE

VAPOR PRESSURE 0.03 MMHg

VAPOR DENSITY >1 AIR = 1

RELATIVE DENSITY 1.16

WATER SOLUBILITY NEGLIGIBLE

SOLUBILITY IN OTHER SOLVENTS NO INFORMATION AVAILABLE

PARTITION COEFFICIENT NO INFORMATION AVAILABLE

AUTOIGNITION TEMPERATURE NO INFORMATION AVAILABLE

DECOMPOSITION TEMPERATURE NO INFORMATION AVAILABLE

KINEMATIC VISCOSITY NO INFORMATION AVAILABLE

DYNAMIC VISCOSITY NO INFORMATION AVAILABLE

EXPLOSIVE PROPERTIES NO INFORMATION AVAILABLE

OXIDIZING PROPERTIES NO INFORMATION AVAILABLE

OTHER INFORMATION:

SOFTENING POINT NO INFORMATION AVAILABLE

MOLECULAR WEIGHT NO INFORMATION AVAILABLE

VOC CONTENT (%) 0

DENSITY

NO INFORMATION AVAILABLE

BULK DENSITY

NO INFORMATION AVAILABLE

-----10. STABILITY AND REACTIVITY -----

REACTIVITY: NO DATA AVAILABLE

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

CONDITIONS TO AVOID: EXCESSIVE HEAT.

INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS, BASES, ACIDS, AMINES

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON OXIDES

PHENOLS

-----11. TOXICOLOGICAL INFORMATION -----

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

INHALATION: MAY CAUSE IRRITATION OF RESPIRATORY TRACT.

EYE CONTACT:

CONTACT WITH EYES MAY CAUSE IRRITATION. MAY CAUSE REDNESS AND TEARING OF THE EYES.

SKIN CONTACT:

MAY CAUSE SKIN IRRITATION AND/OR DERMATITIS. MAY CAUSE SENSITIZATION BY SKIN CONTACT.

INGESTION: INGESTION MAY CAUSE IRRITATION TO MUCOUS MEMBRANES.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
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BISPHENOL	=11400 MG/KG (RAT)		
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A/EPICHLOROHYDRIN

BASED EPOXY RESIN

25068-38-6

CARBON BLACK >15400 MG/KG (RAT) >3 G/KG (RABBIT)

1333-66-4

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS: NO INFORMATION AVAILABLE.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND

LONG-TERM EXPOSURE:

SENSITIZATION: NO INFORMATION AVAILABLE.

GERM CELL MUTAGENICITY: NO INFORMATION AVAILABLE.

CARCINOGENICITY:

THE TABLE BELOW INDICATES WHETHER EACH AGENCY HAS LISTED ANY INGREDIENT AS

A CARCINOGEN.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
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CARBON BLACK	A3	GROUP 2B		X
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1333-86-4

ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS):

A3 - ANIMAL CARCINOGEN

IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER):

GROUP 2B - POSSIBLY CARCINOGENIC TO HUMANS

OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION OF THE US DEPARTMENT OF LABOR): X - PRESENT

THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT:

ATEMIX (ORAL): 16286 MG/KG

-----12. ECOLOGICAL INFORMATION -----

ECOTOXICITY:

97.417% OF THE MIXTURE CONSISTS OF COMPONENTS(S) OF UNKNOWN HAZARDS TO THE AQUATIC ENVIRONMENT

CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH	CRUSTACEA
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CARBON BLACK			5600:
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1333-86-4			24 H DAPHNIA MAGNA MG/L EC50
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PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIOACCUMULATION: NO INFORMATION AVAILABLE.

MOBILITY: NO INFORMATION AVAILABLE.

OTHER ADVERSE EFFECTS: NO INFORMATION AVAILABLE

-----13. DISPOSAL CONSIDERATIONS -----

WASTE TREATMENT METHODS:

DISPOSAL OF WASTES:

DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE REGIONAL, NATIONAL AND
LOCAL LAWS AND REGULATIONS.

CONTAMINATED PACKAGING: DO NOT REUSE CONTAINER.

US EPA WASTE NUMBER: NOT APPLICABLE

-----14. TRANSPORT INFORMATION -----

DOT:

PROPER SHIPPING NAME: NOT REGULATED

IATA:

UN/ID NO: 3082

PROPER SHIPPING NAME:

ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S, (EPOXY RESIN), LIMITED

QUANTITY (LQ)

HAZARD CLASS: 9

PACKING GROUP: III

ERG CODE: E1

IMDG:

UN/ID NO: 3082

PROPER SHIPPING NAME:

ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S, (EPOXY RESIN), LIMITED

QUANTITY (LQ)

HAZARD CLASS: 9

PACKING GROUP: III

EMS-NO: F-A, S-F

-----15. REGULATORY INFORMATION -----

INTERNATIONAL INVENTORIES:

TSCA: COMPLIES

DSL/NDL: COMPLIES

EINECS/ELINCS: NOT LISTED.

ENCS: COMPLIES

IECSC: COMPLIES

KECL: COMPLIES

PICCS: COMPLIES

AICS: COMPLIES

LEGEND:

TSCA: UNITED STATES TOXIC SUBSTANCES CONTROL ACT SECTION 8(B) INVENTORY

DSL/NDL: CANADIAN DOMESTIC SUBSTANCES LIST/NON-DOMESTIC SUBSTANCES LIST

EINECS/ELINCS:

EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES/EUROPEAN LIST OF NOTIFIED
CHEMICAL SUBSTANCES

ENCS: JAPAN EXISTING AND NEW CHEMICAL SUBSTANCES

IECSC: CHINA INVENTORY OF EXISTING CHEMICAL SUBSTANCES

KECL: KOREAN EXISTING AND EVALUATED CHEMICAL SUBSTANCES

PICCS: PHILIPPINES INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES

AICS: AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES

US FEDERAL REGULATIONS:

SARA 313:

SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION
ACT OF 1986 (SARA). THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS WHICH ARE

SUBJECT TO THE REPORTING REQUIREMENTS OF THE ACT AND TITLE 40 OF THE CODE
OF FEDERAL REGULATIONS, PART 372:

SARA 311/312 HAZARD CATEGORIES:

ACUTE HEALTH HAZARD: YES

CHRONIC HEALTH HAZARD: NO

FIRE HAZARD: NO

SUDDEN RELEASE OF PRESSURE HAZARD: NO

REACTIVE HAZARD: NO

CWA (CLEAN WATER ACT):

THIS PRODUCT DOES NOT CONTAIN ANY SUBSTANCES REGULATED AS POLLUTANTS
PURSUANT TO THE CLEAN WATER ACT (40 CFR 122.21 AND 40 CFR 122.42):

CERCLA:

THIS MATERIAL, AS SUPPLIED, DOES NOT CONTAIN ANY SUBSTANCES REGULATED AS
HAZARDOUS SUBSTANCES UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY ACT (CERCLA) (40 CFR 302) OR THE SUPERFUND
AMENDMENTS AND REAUTHORIZATION ACT (SARA) (40 CFR 355). THERE MAY BE
SPECIFIC REPORTING REQUIREMENTS AT THE LOCAL, REGIONAL, OR STATE LEVEL
PERTAINING TO RELEASES OF THIS MATERIAL

US STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS THE FOLLOWING PROPOSITION 65 CHEMICALS

CHEMICAL NAME	CALIFORNIA PROPOSITION 65
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CARBON BLACK - 1333-86-4	CARCINOGEN
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U.S. STATE RIGHT-TO-KNOW REGULATIONS:

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
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CARBON BLACK	X	X	X
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1333-86-4

U.S. EPA LABEL INFORMATION:

EPA PESTICIDE REGISTRATION NUMBER: NOT APPLICABLE

NFPA:

HEALTH HAZARDS 2

FLAMMABILITY 1

INSTABILITY 0

HMIS:

HEALTH HAZARDS 2

FLAMMABILITY 1

PHYSICAL HAZARDS 0

PERSONAL PROTECTION B

NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)

HMIS (HAZARDOUS MATERIAL INFORMATION SYSTEM)

REVISION DATE: 18-JUN-2015

DISCLAIMER:

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.

PERMATEX(R*)

SAFETY DATA SHEET

REVISION DATE: 18-JUN-2015

VERSION: 3

-----1. IDENTIFICATION -----

PRODUCT IDENTIFIER:

PRODUCT NAME: VERSACHEM HEAVY DUTY FUEL TANK REPAIR KIT (HARDENER)

OTHER MEANS OF IDENTIFICATION:

PRODUCT CODE: 90180V

SYNONYMS: NONE

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: EPOXY CURING AGENT

USES ADVISED AGAINST: NO INFORMATION AVAILABLE

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

MANUFACTURER ADDRESS:

ITW PERMATEX

10 COLUMBUS BLVD.

HARTFORD, CT 06106

USA

DISTRIBUTOR:

ITW PERMATEX CANADA

35 BROWNRIDGE ROAD, UNIT 1

HALTON HILLS, ON L7G 0C6

CANADA

TELEPHONE: (800) 924-6994

COMPANY PHONE NUMBER:

1-87-PERMATEX

(877) 376-2839

24 HOUR EMERGENCY PHONE NUMBER:

CHEM-TEL: 800-255-3924

INTERNATIONAL EMERGENCY: 00+1+813-248-0585

CONTRACT NUMBER: MIS0003453

E-MAIL ADDRESS: MAIL@PERMATEX.COM

-----2. HAZARDS IDENTIFICATION -----

CLASSIFICATION:

OSHA REGULATORY STATUS:

THIS CHEMICAL IS CONSIDERED HAZARDOUS BY THE 2012 OSHA HAZARD COMMUNICATION
STANDARD (29 CFR 1910.1200)

SKIN CORROSION/IRRITATION: CATEGORY 2

SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 2A

LABEL ELEMENTS:

EMERGENCY OVERVIEW:

WARNING:

CAUSES SKIN IRRITATION

CAUSES SERIOUS EYE IRRITATION

EXCLAMATION MARK

APPEARANCE: YELLOW

PHYSICAL STATE: LIQUID

ODOR: MERCAPTAN

PRECAUTIONARY STATEMENTS - PREVENTION:

WASH FACE, HANDS AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING

WEAR EYE/FACE PROTECTION

PRECAUTIONARY STATEMENTS - RESPONSE:

SPECIFIC TREATMENT (SEE SUPPLEMENTAL FIRST AID INSTRUCTIONS ON THIS LABEL)

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES,

IF PRESENT AND EASY TO DO. CONTINUE RINSING

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION

TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE

PRECAUTIONARY STATEMENTS - DISPOSAL:

DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): NOT APPLICABLE

OTHER INFORMATION: NOT APPLICABLE

UNKNOWN ACUTE TOXICITY:

100% OF THE MIXTURE CONSISTS OF INGREDIENTS) OF UNKNOWN TOXICITY

-----3. COMPOSITION/INFORMATION ON INGREDIENTS -----

SUBSTANCE(S):

CHEMICAL NAME	CAS NO	WEIGHT-%	TRADE SECRET
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MERCAPTAN AMINE BLEND		60 - 100	*
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(TSRN 679485-6533P)

*THE EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS
A TRADE SECRET.

-----4. FIRST AID MEASURES -----

DESCRIPTION OF FIRST AID MEASURES:

GENERAL ADVICE: GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL.

EYE CONTACT:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES,
IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

SKIN CONTACT:

IF ON SKIN:

WASH SKIN WITH SOAP AND WATER. IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

INHALATION:

IF INHALED:

REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

INGESTION:

IF SWALLOWED:

DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN.

SELF-PROTECTION OF THE FIRST AIDER:

USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

SYMPTOMS: SEE SECTION 2 FOR MORE INFORMATION.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTE TO PHYSICIANS: TREAT SYMPTOMATICALLY.

-----5. FIRE-FIGHTING MEASURES -----

SUITABLE EXTINGUISHING MEDIA: CARBON DIOXIDE (CO₂), DRY CHEMICAL, FOAM

UNSUITABLE EXTINGUISHING MEDIA:

DO NOT USE A SOLID WATER STREAM AS IT MAY SCATTER AND SPREAD FIRE.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE IN PARTICULAR.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NONE.

SENSITIVITY TO STATIC DISCHARGE: NONE.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND,

MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

-----6. ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS:

ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. AVOID CONTACT WITH EYES AND SKIN. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.

ENVIRONMENTAL PRECAUTIONS:

ENVIRONMENTAL PRECAUTIONS:

DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM. PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. PREVENT PRODUCT FROM ENTERING DRAINS.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

METHODS FOR CONTAINMENT:

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

METHODS FOR CLEANING UP:

ENSURE ADEQUATE VENTILATION. SOAK UP WITH INERT ABSORBENT MATERIAL. SWEEP UP AND SHOVEL INTO SUITABLE CONTAINERS FOR DISPOSAL.

PREVENTION OF SECONDARY HAZARDS:

CLEAN CONTAMINATED OBJECTS AND AREAS THOROUGHLY OBSERVING ENVIRONMENTAL REGULATIONS.

-----7. HANDLING AND STORAGE -----

PRECAUTIONS FOR SAFE HANDLING:

ADVICE ON SAFE HANDLING:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.

AVOID BREATHING VAPORS OR MISTS. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE REUSE.

USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE CONDITIONS:

KEEP CONTAINERS TIGHTLY DOSED IN A DRY, COOL AND WELL-VENTILATED PLACE.

INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS, ACIDS, ALKALIS

-----8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

CONTROL PARAMETERS:

APPROPRIATE ENGINEERING CONTROLS:

ENGINEERING CONTROLS:

SHOWERS

EYEWASH STATIONS

VENTILATION SYSTEMS

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

SKIN AND BODY PROTECTION: WEAR PROTECTIVE GLOVES AND PROTECTIVE CLOTHING.

RESPIRATORY PROTECTION:

USE NIOSH-APPROVED AIR-PURIFYING RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR
CANISTER, AS APPROPRIATE.

GENERAL HYGIENE CONSIDERATIONS:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.

REGULAR CLEANING OF EQUIPMENT, WORK AREA AND CLOTHING IS RECOMMENDED.

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: LIQUID

APPEARANCE: YELLOW

ODOR: MERCAPTAN

ODOR THRESHOLD: NO INFORMATION AVAILABLE

PROPERTY	VALUES	REMARKS - METHOD
PH	NO INFORMATION AVAILABLE	
MELTING POINT / FREEZING POINT	NO INFORMATION AVAILABLE	
BOILING POINT / BOILING RANGE	NOT APPLICABLE	
FLASH POINT	>93 DEG. C / >200 DEG. F	PENSKY-MARTENS CLOSED CUP (PMCC)
EVAPORATION RATE	NO INFORMATION AVAILABLE	

FLAMMABILITY (SOLID, GAS) NO INFORMATION AVAILABLE

FLAMMABILITY LIMIT IN AIR:

UPPER FLAMMABILITY LIMIT NO INFORMATION AVAILABLE

LOWER FLAMMABILITY LIMIT NO INFORMATION AVAILABLE

VAPOR PRESSURE NO INFORMATION AVAILABLE

VAPOR DENSITY NO INFORMATION AVAILABLE

RELATIVE DENSITY 1.13

WATER SOLUBILITY INSOLUBLE IN WATER

SOLUBILITY IN OTHER SOLVENTS NO INFORMATION AVAILABLE

PARTITION COEFFICIENT NO INFORMATION AVAILABLE

AUTOIGNITION TEMPERATURE NO INFORMATION AVAILABLE

DECOMPOSITION TEMPERATURE NO INFORMATION AVAILABLE

KINEMATIC VISCOSITY NO INFORMATION AVAILABLE

DYNAMIC VISCOSITY NO INFORMATION AVAILABLE

EXPLOSIVE PROPERTIES NO INFORMATION AVAILABLE

OXIDIZING PROPERTIES NO INFORMATION AVAILABLE

OTHER INFORMATION:

SOFTENING POINT NO INFORMATION AVAILABLE

MOLECULAR WEIGHT NO INFORMATION AVAILABLE

VOC CONTENT (%) 0

DENSITY NO INFORMATION AVAILABLE

BULK DENSITY NO INFORMATION AVAILABLE

-----10. STABILITY AND REACTIVITY -----

REACTIVITY: NO DATA AVAILABLE

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

CONDITIONS TO AVOID: EXCESSIVE HEAT.

INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS, ACIDS, ALKALIS

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON OXIDES

NITROGEN OXIDES (NOX)

OXIDES OF SULFUR

HYDROGEN SULFIDE

-----11. TOXICOLOGICAL INFORMATION -----

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

INHALATION: MAY CAUSE IRRITATION OF RESPIRATORY TRACT.

EYE CONTACT:

CONTACT WITH EYES MAY CAUSE IRRITATION. MAY CAUSE REDNESS AND TEARING OF THE EYES.

SKIN CONTACT: MAY CAUSE SKIN IRRITATION AND/OR DERMATITIS.

INGESTION: INGESTION MAY CAUSE IRRITATION TO MUCOUS MEMBRANES.

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS: NO INFORMATION AVAILABLE.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

SENSITIZATION: NO INFORMATION AVAILABLE.

GERM CELL MUTAGENICITY: NO INFORMATION AVAILABLE.

CARCINOGENICITY: NO INFORMATION AVAILABLE.

-----12. ECOLOGICAL INFORMATION -----

ECOTOXICITY:

100% OF THE MIXTURE CONSISTS OF COMPONENTS(S) OF UNKNOWN HAZARDS TO THE
AQUATIC ENVIRONMENT

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIOACCUMULATION: NO INFORMATION AVAILABLE.

MOBILITY: NO INFORMATION AVAILABLE.

OTHER ADVERSE AFFECTS: NO INFORMATION AVAILABLE

-----13. DISPOSAL CONSIDERATIONS -----

WASTE TREATMENT METHODS:

DISPOSAL OF WASTES:

DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE REGIONAL, NATIONAL AND
LOCAL LAWS AND REGULATIONS.

CONTAMINATED PACKAGING: DO NOT REUSE CONTAINER.

US EPA WASTE NUMBER: NOT APPLICABLE

-----14. TRANSPORT INFORMATION -----

DOT:

PROPER SHIPPING NAME: NOT REGULATED

IATA:

UN/ID NO: 3334

PROPER SHIPPING NAME:

AVIATION REGULATED LIQUID, N.O.S, (MERCAPTAN MIXTURE), LIMITED QUANTITY (LQ)

HAZARD CLASS: 9

PACKING GROUP: III

ERG CODE: 9A

IMDG:

PROPER SHIPPING NAME: NOT REGULATED

-----15. REGULATORY INFORMATION -----

INTERNATIONAL INVENTORIES:

TSCA: COMPLIES

DSL/NDSL: COMPLIES

EINECS/ELINCS: NOT DETERMINED

ENCS: NOT DETERMINED

IECSC: NOT DETERMINED

KECL: NOT DETERMINED

PICCS: NOT DETERMINED

AICS: NOT DETERMINED

LEGEND:

TSCA: UNITED STATES TOXIC SUBSTANCES CONTROL ACT SECTION 8(B) INVENTORY

DSL/NDSL: CANADIAN DOMESTIC SUBSTANCES LIST/NON-DOMESTIC SUBSTANCES LIST

EINECS/ELINCS:

EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES/EUROPEAN LIST OF NOTIFIED

CHEMICAL SUBSTANCES

ENCS: JAPAN EXISTING AND NEW CHEMICAL SUBSTANCES

IECSC: CHINA INVENTORY OF EXISTING CHEMICAL SUBSTANCES

KECL: KOREAN EXISTING AND EVALUATED CHEMICAL SUBSTANCES

PICCS: PHILIPPINES INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES

AICS: AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES

US FEDERAL REGULATIONS:

SARA 313:

SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF THE ACT AND TITLE 40 OF THE CODE OF FEDERAL REGULATIONS, PART 372:

SARA 311/312 HAZARD CATEGORIES:

ACUTE HEALTH HAZARD: YES

CHRONIC HEALTH HAZARD: NO

FIRE HAZARD: NO

SUDDEN RELEASE OF PRESSURE HAZARD: NO

REACTIVE HAZARD: NO

CWA (CLEAN WATER ACT):

THIS PRODUCT DOES NOT CONTAIN ANY SUBSTANCES REGULATED AS POLLUTANTS
PURSUANT TO THE CLEAN WATER ACT (40 CFR 122.21 AND 40 CFR 122.42):

CERCLA:

THIS MATERIAL, AS SUPPLIED, DOES NOT CONTAIN ANY SUBSTANCES REGULATED AS
HAZARDOUS SUBSTANCES UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY ACT (CERCLA) (40 CFR 302) OR THE SUPERFUND
AMENDMENTS AND REAUTHORIZATION ACT (SARA) (40 CFR 355). THERE MAY BE
SPECIFIC REPORTING REQUIREMENTS AT THE LOCAL, REGIONAL, OR STATE LEVEL
PERTAINING TO RELEASES OF THIS MATERIAL

US STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

THIS PRODUCT DOES NOT CONTAIN ANY PROPOSITION 65 CHEMICALS

U.S. STATE RIGHT-TO-KNOW REGULATIONS:

U.S. EPA LABEL INFORMATION:

EPA PESTICIDE REGISTRATION NUMBER: NOT APPLICABLE

NFPA:

HEALTH HAZARDS 2

FLAMMABILITY 1

INSTABILITY 0

HMIS:

HEALTH HAZARDS 2

FLAMMABILITY 1

PHYSICAL HAZARDS 0

PERSONAL PROTECTION B

NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)

HMIS (HAZARDOUS MATERIAL INFORMATION SYSTEM)

REVISION DATE: 18-JUN-2015

DISCLAIMER:

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