Sid Harvey item #'s F53 F53-2 F53-	4 SDS # Z0026
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Safety Data Sheet	-
according to 1907/2006/EC (REACH),
Printing date 18.10.2012	Revision: 18.10.2012
1 Identification of the substance/mixture and of the comp	anyunuenakiny
· Trade name: <u>THAWZONE</u> HSTOON · CAS Number:	
64-17-5 • EC number:	
200-578-6	
- Index number: 603-002-00-5	
 1.2 Relevant identified uses of the substance or mixture and uses No further relevant information available. 	advised against
 Application of the substance / the preparation Oil Additive, Liquid De 	ehydrant
 1.3 Details of the supplier of the Safety Data Sheet Manufacturer/Supplier: 	
Highside Chemicals, Inc.	
11114 Reichold Road Gulfport, MS 39503	
Phone: (228) 896-9220	
Further information obtainable from: Product Safety Department	
· 1.4 Emergency telephone number: Chem⊺el Inc.	
(800)255-3924, +1 (813)248-0585	
2 Hazards identification	
2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008	
GHS02 flame	
Flam. Liq. 2 H225 Highly flammable liquid and vapour.	
 Classification according to Directive 67/548/EEC or Directive 1999/ F; Highly flammable 	(45/EC
R11: Highly flammable.	
Information concerning particular hazards for human and environ	ment: Not applicable.
 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 	
The substance is classified and labelled according to the CLP regulatio	n.
· Hazard pictograms	
GHS02	
· Signal word Danger	(Contd. on page 2)

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Trade name: THAWZONE			
· · · · · · · · · · · · · · · · · · ·	(Contd. of page 1)		
Hazard statem			
	mmable liquid and vapour.		
 Precautionary 			
P101	If medical advice is needed, have product container or label at hand.		
P102	Keep out of reach of children.		
P103	Read label before use.		
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.		
P241	Use explosion-proof electrical/ventilating/lighting/equipment.		
P280	Wear protective gloves/protective clothing/eye protection/face protection.		
P240	Ground/bond container and receiving equipment.		
P233	Keep container tightly closed.		
P242	Use only non-sparking tools.		
P243	Take precautionary measures against static discharge.		
P303+P361+P3	853 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse		
	skin with water/shower.		
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.		
P403+P235	Store in a well-ventilated place. Keep cool.		
P501	Dispose of contents/container in accordance with local/regional/national/international		
1 001	regulations.		
 Hazard descrip WHMIS-symbol B2 - Flammable 	ls:		
۲			
· NFPA ratings (scale 0 - 4)		
Fire	th = 1 = 3 ctivity = 0		
HMIS-ratings (· HMIS-ratings (scale 0 - 4)		
HEALTH THealth = *1 f(RB) $Fire = 3Fire = 0$			
Reactivity = 0			
HMIS Long Term Health Hazard Substances			
64-17-5 ethand			
2.3 Other haza	rds		
Results of PBT and vPvB assessment			
PBT: Not applicable.			
• vPvB: Not appl			
	(Contd. on page 3)		

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3 Composition/information on ingredients

- · 3.1 Substances
- · CAS No. Description
- 64-17-5 ethanol
- · Identification number(s)
- · EC number: 200-578-6
- · Index number: 603-002-00-5

4 First aid measures

4.1 Description of first aid measures

- General information: Take affected persons out into the fresh air.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately rinse with water.

If skin irritation continues, consult a doctor.

After eye contact:
 Protect unharmed eye.
 Ripso opened eye for several minutes under r

Rinse opened eye for several minutes under running water.

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

- 4.2 Most important symptoms and effects, both acute and delayed
- Dizziness
- Disorientation
- Coughing Breathing difficulty
- Headache
- Gastric or intestinal disorders

· Hazards

Danger of convulsion.

- Danger of disturbed cardiac rhythm.
- Danger of circulatory collapse.

Condition may deteriorate with alcohol consumption.

- 4.3 Indication of any immediate medical attention and special treatment needed
- Medical supervision for at least 48 hours. If necessary oxygen respiration treatment.

5 Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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Trade name: THAWZONE (Contd. of page 3) · For safety reasons unsuitable extinguishing agents: None. · 5.2 Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire. 5.3 Advice for firefighters · Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit. · Additional information Cool endangered receptacles with water spray. 6 Accidental release measures 6.1 Personal precautions, protective equipment and emergency procedures Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources. Protect from heat. • 6.2 Environmental precautions: Dilute with plenty of water. · 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Clean the affected area carefully; suitable cleaners are: Warm water 6.4 Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. 7 Handling and storage The second second second · 7.1 Precautions for safe handling No special precautions are necessary if used correctly. Keep receptacles tightly sealed. Keep away from heat and direct sunlight. Prevent formation of aerosols. Avoid splashes or spray in enclosed areas. Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. · 7.2 Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: Avoid storage near extreme heat, ignition sources or open flame. Store in a cool location. Provide ventilation for receptacles.

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(Contd. of page 4)

Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Keep container tightly sealed.

Protect from humidity and water.

This product is hygroscopic.

Storage Temperatures : < 86 °F / 30 °C.

• 7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

64-17-5 ethanol

PEL (USA) 1900 mg/m³, 1000 ppm

REL (USA) 1900 mg/m³, 1000 ppm

TLV (USA) Short-term value: 1880 mg/m³, 1000 ppm

EL (Canada) Short-term value: 1000 ppm

EV (Canada) 1,900 mg/m³, 1,000 ppm

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

- Avoid contact with the eyes and skin.
- Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves
- Sensibilization by the components in the glove materials is possible.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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(Contd. of page 5) · Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. · For the permanent contact gloves made of the following materials are suitable: Butyl rubber, BR Nitrile rubber, NBR Natural rubber, NR Rubber gloves Neoprene gloves Not suitable are gloves made of the following materials: Leather gloves · Eve protection: Contact lenses should not be worn. Safety glasses · Body protection: Protective work clothing · Limitation and supervision of exposure into the environment No special requirements. · Risk management measures See Section 7 for additional information. No further relevant information available. 9 Physical and chemical properties 9.1 Information on basic physical and chemical properties · General Information · Appearance: Fluid Form: Colourless Colour: · Odour: Alcohol-like Not determined. · Odour threshold: 9 · pH-value at 20°C: · Change in condition -174,1/-114,5°C Melting point/Melting range: Boiling point/Boiling range: 172 °F / 78°C 61 °F / 16°C · Flash point: Flammability (solid, gaseous): Not applicable. 797 °F / 425°C · Ignition temperature: Not determined. Decomposition temperature: Not determined. · Self-igniting: Product is not explosive. However, formation of explosive air/ Danger of explosion: vapour mixtures are possible. (Contd. on page 7)

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		(Contd. of page
Explosion limits:		
Lower:	3,5 Vol %	
Upper:	15 Vol %	
Vapour pressure at 20°C:	59 hPa	
Density at 20°C:	0,79 g/cm ³	
Relative density	Not determined.	
Vapour density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
water:	Fully miscible.	
Partition coefficient (n-octanol/	water): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
9.2 Other information	No further relevant information available.	

10 Stability and reactivity 10.1 Reactivity

- 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:
- No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions
- Flammable.
- Reacts with oxidizing agents.
- Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
- Reacts with peroxides and other radical forming substances.
- Reacts with strong acids.
- Forms flammable gases/fumes.
- 10.4 Conditions to avoid Keep ignition sources away - Do not smoke.
- Store away from oxidizing agents.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:
- Nitrogen oxides
- Carbon monoxide and carbon dioxide

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11 Toxicological information

- 11.1 Information on toxicological effects
- · Acute toxicity:

· LD/LC50 values relevant for classification:

64-17-5 ethanol

Oral	LD50	7060 mg/kg (rat)
Inhalative	LC50/4 h	20000 mg/l (rat)

· Primary irritant effect:

- on the skin: Slight irritant effect on skin and mucous membranes.
- · on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- · Additional toxicological information:
- Irritant

Product is suspected to cause birth defects.

Vapours have narcotic effect.

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

· Repeated dose toxicity May cause damage to organs through prolonged or repeated exposure .

12 Ecological Information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability Easily biodegradable
- 12.3 Bioaccumulative potential Does not accumulate in organisms
- · 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:

This statement was deduced from the properties of the single components.

The product may not be released into the environment without control.

Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.

Water Hazard Class (Self-classification) in the concentrate.

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

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13 Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Contact waste processors for recycling information.

- · Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information		
14.1 UN-Number DOT, ADR, IMDG, IATA	UN1170	
 14.2 UN proper shipping name DOT, IATA ADR IMDG 	ETHANOL 1170 ETHANOL (ETHYL ALCOHOL) ETHANOL (ETHYL ALCOHOL)	
14.3 Transport hazard class(es)		
· Class · Label	3 Flammable liquids. 3	
· ADR		
· Class · Label	3 (F1) Flammable liquids. 3	
· IMDG, IATA		
Class	3 Flammable liquids. 3	
Label	(Contd. on pag	e 10)

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	(Contd. of page 9)
 14.4 Packing group DOT, ADR, IMDG, IATA 	II
• 14.5 Environmental hazards: • Marine pollutant:	No
• 14.6 Special precautions for user • Danger code (Kemler): • EMS Number:	Warning: Flammable liquids. 33 F-E,S-D
 14.7 Transport in bulk according to Ann MARPOL73/78 and the IBC Code 	ex II of Not applicable.
· Transport/Additional information:	
• ADR • Tunnel restriction code	D/E
· UN "Model Regulation":	UN1170, ETHANOL (ETHYL ALCOHOL), 3, II

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture United States (USA)

SARA

· Section 355 (extremely hazardous substances):

Substance is not listed.

Section 313 (Specific toxic chemical listings):

Substance is not listed.

TSCA (Toxic Substances Control Act):

Substance is listed.

Proposition 65 (California):

· Chemicals known to cause cancer:

Substance is not listed.

Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

· Chemicals known to cause developmental toxicity:

Ethanol - listing refers specifically to alcoholic beverage consumption and is not applicable for product. 64-17-5 ethanol

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(Contd. of page 10)

D

A3

· Carcinogenic Categories

· EPA (Environmental Protection Agency)

71-36-3 butan-1-ol

· IARC (International Agency for Research on Cancer)

Substance is not listed.

• TLV (Threshold Limit Value established by ACGIH)

64-17-5 ethanol

NIOSH-Ca (National Institute for Occupational Safety and Health)

- Substance is not listed.
- · OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

Canada

Canadian Domestic Substances List (DSL)

Substance is listed.

Canadian Ingredient Disclosure list (limit 0.1%)

64-17-5 ethanol

· Canadian Ingredient Disclosure list (limit 1%)

Substance is not listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

- DOT: US Department of Transportation
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Sources

This document was authored and reviewed by the technical and scientific staff at ChemTel Inc. Descriptions, classifications and calculations are based upon data provided by manufacturer and augmented by published data in conjunction with expert analysis by degreed scientists.

SDS Prepared by: ChemTel Inc.

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Trade name: THAWZONE

1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com



MATERIAL SAFETY DATA SHEET

HIGHSIDE CHEMICALS, INC. 11114 REICHHOLD ROAD GULFPORT, MS 39503 (228)-896-9220

THAWZONE®

THIS MSDS COMPLIES WITH 29 CFR 1900.1200

SECTION 1 - IDENTITY/EMERGENCY INFORMATION

PRODUCT NAME:	THAWZONE®	PRODUCT CODES:	17001
CHEMICAL NAME:	ALCOHOL MIXTURE		17004
CHEMICAL FORMULA:	MIXTURE		17016

IN CASE OF AN EMERGENCY CALL 1-800-255-3924

SECTION 2 - INGREDIENTS

COMPONENTS	CAS NO.	PEL/ILV-SOURCE
ETHANOL	64-17-5	1000 ppm, 1000 ppm,(OSHA, ACCIH)
ISOPROPANOL	67-63-0	400 ppm, 400 ppm

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE U.S. TSCA INVENTORY.

SECTION 3 - PHYSICAL DATA

BOILING POINT: 78 - 80 °C (173 - 176 °F)

VAPOR PRESSURE (mmHg): 44.20 mmHg @ 20°C

VAPOR DENSITY (AIR = 1): 1.6

SPECIFIC GRAVITY (H₂O = 1): 0.789 - 0.791 @ 20 C

SOLUBILITY IN WATER: SOLUBLE

APPEARANCE AND ODOR: CLEAR LIQUID. ALCOHOL ODOR.

EVAPORATION RATE (N-BUTYL ACETATE = 1): 3.30

% VOLATILE (BY WEIGHT): 98

VOLATILE ORGANIC COMPOUNDS: 98

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 15.5 °C (60 °F) PMCC

EXPLOSIVE LIMIT: LOWER: 3.3% UPPER: 19.0%

EXTINGUISHING MEDIA: USE ALCOHOL FOAM, CARBON DIOXIDE, OR DRY CHEMICAL

(OSHA, ACGIH)

EXTINGUISHINGMEDIA.

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS: AVOID ALL SOURCES OF IGNITION - HEAT, SPARKS, OPEN FLAME. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO IGNITION SOURCES AT LOCATIONS AWAY FROM MATERIAL HANDLING POINT.

HAZARD RATING: HEALTH 1 FLAMMABILITY 3 REACTIVITY 0

SECTION 5 - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: UNDER FIRE CONDITIONS; FUMES, CARBON DIOXIDE, CARBON MONOXIDE, AND OTHER DECOMPOSITION PRODUCTS, IN THE CASE OF INCOMPLETE COMBUSTION.

SECTION 6 - HEALTH HAZARD DATA

CARCINOGENICITY: IARC HAS DETERMINED THAT EXPOSURE TO ETHANOL THROUGH CHRONIC HUMAN CONSUMPTION OF ALCOHOLIC BEVERAGES CAN CAUSE CANCER.

PRIMARY ROUTE(S) OF ENTRY: INHALATION, SKIN CONTACT

EFFECTS OF CHRONIC OVEREXPOSURE: OVEREXPOSURE TO ETHANOL HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: LIVER ABNORMALITIES, KIDNEY DAMAGE.

OVEREXPOSURE TO ETHANOL HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: LIVER ABNORMALITIES, EYE DAMAGE.

FIRST AID PROCEDURES:

- **SKIN CONTACT**: THOROUGHLY WASH THE EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE. IF SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.
- **EYE CONTACT**: FLUSH GENTLY WITH LARGE AMOUNTS OF WATER, FOR ATLEAST 15 WHILE HOLDING EYELIDS APART. GET MEDICAL ATTENTION.
- **INGESTION**: SEEK MEDICAL ATTENTION. IF INDIVIDUAL IS CONSCIOUS AND ALERT IMMEDIATELY GIVE TWO GLASSES OF WATER AND INDUCE VOMITING EITHER BY GIVING IPECAC SYRUP OR BY PLACING FINGER AT BACK OF THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR SEEK IMMEDIATE MEDICAL ATTENTION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM AND QUIET.

SECTION 7 - SPECIAL PRECAUTIONS

RESPIRATORY PROTECTION: IF WORK PLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION 2), A NIOSH/MSHA APPROVED AIR SUPPLIED

RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE. EYE PROTECTION: CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER).

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

SKIN PROTECTION: WEAR RESISTANT GLOVES SUCH AS NEOPRENE

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING OR BOOTS.

SECTION 8 - ENVIRONMENTAL INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- SMALL SPILL: ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL.
- LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM THE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK, REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.
- PREVENT RUN-OFF TO SEWERS, STREAMS OR OTHER BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED, THAT SPILL HAS OCCURRED.

WASTE DISPOSAL METHOD:

SMALL SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

EPA REGULATION CFR 302 (CERCLA SECTION 102):

NO REPORTABLE QUANTITY (RQ) FOR PRODUCT OR ANY CONSTITUENT GREATER THAN 1% OR 0.1% (CARCINOGEN).

EPA REGULATION CFR 355 (SARA SECTION 301-302)

NO THRESHOLD PLANNING QUANTITY FOR PRODUCT OR ANY CONSTITUENT GREATER THAN 1% OR 0.1% (CARCINOGEN).

EPA REGULATION 40 CFR 372 (SARA SECTION 313) NO TOXIC CHEMICAL IS PRESENT GREATER THAN 1% OR 0.1% (CARCINOGEN).

EPA REGULATION 40 CFR 370 (SARA SECTIONS 311-312) IMMEDIATE (X) DELAYED (X) FIRE (X) REACTIVITY () SUDDEN RELEASE OF PRESSURE () SECTION 9 - SHIPPING DATA

D.O.T PROPER SHIPPING NAME (49 CFR 172):

ONE LITER AND SMALLER CONTAINER: CONSUMER COMMODITY, ORM-D OVER ONE LITER CONTAINER: ETHANOL SOLUTION, 3, UN 1170, II

BILL OF LADING DESCRIPTION: SOLVENT IT 42690 S-2

POISON CONSTITUENT: NONE

MARINE POLLUTANT: NONE

INTERNATIONAL(UN/NA CODE): ONE LITRE OR LESS CONTAINER: ETHANOL SOLUTION, 3, UN 1170, II, LTD. QTY OVER ONE LITRE CONTAINER: ETHANOL SOLUTION, 3, UN1170, II

IMCO: EmS No. 3-06 CLASS 3

DATE PREPARED: 10/16/91

DATE UPDATE: 04/03/03

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