

### Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 15/04/2011

Revision date: 11/11/2016

Supersedes: 26/03/2012

Version: 3.0

### DLM-4444

<b>SECTION 1: Identification of the</b>	substance/mixture and of the company/undertaking	
1.1. Product identifier		
Product form	: Substance	
Substance name	: URETHANE (ETHYL CARBAMATE) (ETHYL-D5, 98%)	
EC index no	: 607-149-00-6 (Unlabeled)	
EC no	: 200-123-1 (Unlabeled)	
CAS No	: 73962-07-9	
Product code	: DLM-4444	
Formula	: NH2COOC2D5	
Synonyms	: Carbamic acid ethyl ester / Ethylurethane / Ethyl carbamate	
1.2. Relevant identified uses of the	substance or mixture and uses advised against	
1.2.1. Relevant identified uses		
Main use category	: Professional use	
Industrial/Professional use spec	: For professional use only	
<b>1.2.2.</b> Uses advised against No additional information available		
1.3. Details of the supplier of the sa		
Andover, MA 01810 USA USA: 1-800-322-1174 Int: 1-978-749-800 <u>cilsales@isotope.com</u> www.isotope.com		
Emergency telephone number		
Emergency numbers:		
Chemtrec: 1-800-424-9300 (24 hours) International: 1-703-741-5970 (24 hours)		
<b>SECTION 2: Hazards identification</b>	on	
2.1. Classification of the substance		
Classification according to Regulation (I	EC) No. 1272/2008 [CLP]	
Acute Tox. 4 (Oral) H302		
Carc. 1B H350		
Full text of H-statements: see section 16		
Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]		
Xn; R22 Carc.Cat.1; R45 Care Cat 1: B40		
Carc.Cat.1; R49		
Full text of R-phrases: see section 16		
GHS-US classification		
Acute Tox $4$ (Oral) H302		

Acute Tox. 4 (Oral) H302 Carc. 1B H300

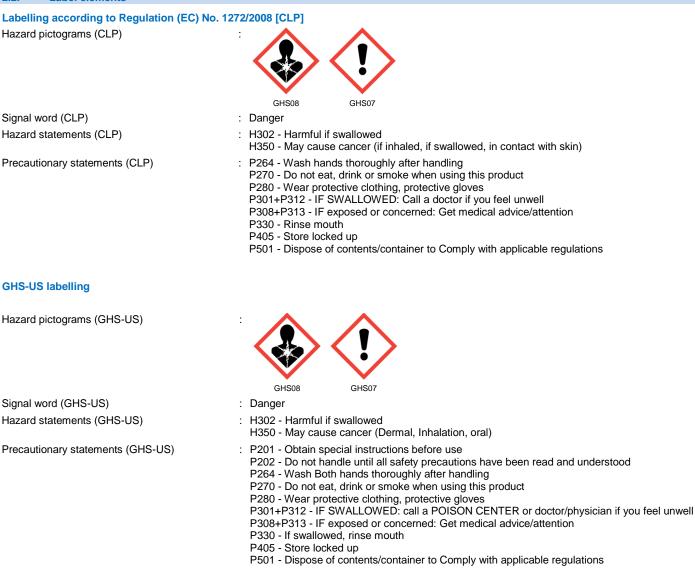
### Adverse physicochemical, human health and environmental effects

Liver, Bone marrow, Central nervous system, Immune system.

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#### 2.2. Label elements



#### 2.3. Other hazards

#### No additional information available

### SECTION 3: Composition/information on ingredients

3.1. Substance			
Name	Product identifier	%	Classification according to Directive 67/548/EEC
URETHANE (ETHYL CARBAMATE) (ETHYL-D5, 98%) (Main constituent)	(CAS No) 73962-07-9 (EC no) 200-123-1 (Unlabeled) (EC index no) 607-149-00-6 (Unlabeled)	100	Xn; R22 Carc.Cat.1; R45 Carc.Cat.1; R49
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]

Full text of R- and H-statements: see section 16

Name	Product identifier	%	GHS-US classification
URETHANE (ETHYL CARBAMATE) (ETHYL-D5, 98%) (Main constituent)	(CAS No) 73962-07-9	100	Acute Tox. 4 (Oral), H302 Carc. 1B, H350

Full text of H-statements: see section 16

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#### 3.2 **Mixture** Not applicable SECTION 4: First aid measures 4.1. **Description of first aid measures** First-aid measures general : Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. First-aid measures after inhalation If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician. First-aid measures after skin contact Wash with soap and plenty of water. Consult a physician. First-aid measures after eye contact Flush eyes with water as a precaution. First-aid measures after ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries after inhalation : May be harmful if inhaled. May cause respiratory tract irritation. Symptoms/injuries after skin contact May be harmful if absorbed through skin. May cause skin irritation. Symptoms/injuries after eye contact May cause eye irritation. Symptoms/injuries after indestion : Harmful if swallowed. Indication of any immediate medical attention and special treatment needed 4.3. No additional information available **SECTION 5: Firefighting measures Extinguishing media** 5.1. Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. 5.2. Special hazards arising from the substance or mixture Reactivity : Not available. 5.3. Advice for firefighters **Firefighting instructions** : Wear self contained breathing apparatus for fire fighting if necessary. Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. **SECTION 6: Accidental release measures** Personal precautions, protective equipment and emergency procedures 6.1. 6.1.1. For non-emergency personnel : Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Emergency procedures Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. 6.1.2. For emergency responders No additional information available 6.2. **Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Methods and material for containment and cleaning up 6.3. For containment : Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Reference to other sections 6.4. No additional information available **SECTION 7: Handling and storage** Precautions for safe handling 7.1. Additional hazards when processed : Avoid contact with skin and eves. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Conditions for safe storage, including any incompatibilities 7.2. **Technical measures** : Keep container tightly closed in a cool, dry and well-ventilated place. Storage conditions : Store at room temperature away from light and moisture. Specific end use(s) 7.3.

No additional information available

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### SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Personal protective equipment

: Gloves. Safety glasses. Protective clothing. Self-contained breathing apparatus.



Hand protection Eye protection Skin and body protection : protective gloves.

- : Wear safety glasses with side shields (or goggles) and a face shield.
- : Wear complete suit protecting against chemicals according to concentration and amount of substance.

Respiratory protection

: When appropriate, use NIOSH/CEN approved respirator.

<b>SECTION 9: Physical and chemic</b>	al properties
9.1. Information on basic physical a	nd chemical properties
Physical state	: Solid
Appearance	: Crystalline.
Molecular mass	: 94.13 g/mol (Labeled)
Colour	: Colourless.
Odour	: No data available.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 48 - 50 °C (118 - 122 °F) - lit.
Freezing point	: No data available
Boiling point	: 182 - 184 °C (360 - 363 °F) - lit.
Flash point	: 92 °C (198 °F) - closed cup
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	

No additional information available

SECT	ION 10: Stability and reactivity		
10.1.	Reactivity		
Not ava	ilable.		
10.2.	Chemical stability		
Five yea	Five years after receipt of order if stored as above. Re-QC after five years.		
10.3.	Possibility of hazardous reactions		
No additional information available			
10.4.	Conditions to avoid		

Not available.

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10.5. Incompatible materials		
Strong oxidizing agents, Strong acids, Strong bases.		
10.6. Hazardous decomposition products		
Formed under fire conditions: Carbon oxides, nitro	ogen oxides (NOx).	
SECTION 11: Toxicological informati	on	
11.1. Information on toxicological effects		
Acute toxicity	: Harmful if swallowed.	
URETHANE (ETHYL CARBAMATE) (ETHYL-	D5, 98%) (73962-07-9)	
LD50 oral rat	1809 mg/kg	
Skin corrosion/irritation	: Not classified	
	No data available	
Serious eye damage/irritation	: Not classified	
	No data available	
Respiratory or skin sensitisation	: Not available	
	No data available	
Germ cell mutagenicity	: Not available	
Carcinogenicity	: This is or contains a component that has been reported to be carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.	
Reproductive toxicity	: Not available	
Specific target organ toxicity (single exposure)	: Not classified	
	No data available	
Specific target organ toxicity (repeated	: Not classified	
exposure)	No data available	
Aspiration hazard	: Not classified	
Potential adverse human health effects and symptoms	: Bone marrow depression. Central nervous system depression. Nausea. Vomiting. Stomach - Irregularities - Based on Human Evidence. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	
IARC group	: 2A, 2B	
Symptoms/injuries after inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.	
Symptoms/injuries after skin contact	: May be harmful if absorbed through skin. May cause skin irritation.	
Symptoms/injuries after eye contact	: May cause eye irritation.	
Symptoms/injuries after ingestion	: Harmful if swallowed.	

SECTION 12: Ecological information		
12.1. Toxicity		
URETHANE (ETHYL CARBAMATE) (ETHYL-D5	5, 98%) (73962-07-9)	
LC50 fish 1	5240 mg/l Pimephales promelas (fathead minnow) - 96 h	
12.2. Persistence and degradability		
URETHANE (ETHYL CARBAMATE) (ETHYL-D5	5, 98%) (73962-07-9)	
Persistence and degradability	Not available.	
12.3. Bioaccumulative potential		
URETHANE (ETHYL CARBAMATE) (ETHYL-D5	5, 98%) (73962-07-9)	
Bioaccumulative potential	Not available.	
12.4. Mobility in soil		
URETHANE (ETHYL CARBAMATE) (ETHYL-D5	5, 98%) (73962-07-9)	
Ecology - soil	Not available.	
12.5. Results of PBT and vPvB assessment		
No additional information available		
12.6. Other adverse effects		
Other adverse effects :	Not available.	

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	ng to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
<b>SECTION 13: Disposal consideratio</b>	ns
13.1. Waste treatment methods	
Regional legislation (waste)	: Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.
Waste disposal recommendations	: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Ecology - waste materials	: Dispose of as unused product.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / A	ADN
14.1. UN number	
UN-No.(DOT)	: 3077
DOT NA no.	UN3077
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Environmentally hazardous substances, solid, n.o.s.
Transport hazard class(es) (DOT)	: 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140
Hazard labels (DOT)	: 9 - Class 9 (Miscellaneous dangerous materials)
	9
DOT Symbols	: G - Identifies PSN requiring a technical name
Packing group (DOT) DOT Special Provisions (49 CFR 172.102)	: III - Minor Danger : 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping
	<ul> <li>description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies.</li> <li>146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.</li> <li>335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging.</li> <li>A112 - Notwithstanding the quantity limits shown in Column (9A) and (9B) for this entry, the following IBCs are authorized for transportation aboard passenger and cargo-only aircraft. Each IBC may not exceed a maximum net quantity of 1,000 kg:</li> </ul>
	<ul> <li>a. Metal: 11A, 11B, 11N, 21A, 21B and 21N</li> <li>b. Rigid plastics: 11H1, 11H2, 21H1 and 21H2</li> <li>c. Composite with plastic inner receptacle: 11HZ1, 11HZ2, 21HZ1 and 21HZ2</li> <li>d. Fiberboard: 11G</li> <li>e. Wooden: 11C, 11D and 11F (with inner liners)</li> <li>f. Flexible: 13H2, 13H3, 13H4, 13H5, 13L2, 13L3, 13L4, 13M1 and 13M2 (flexible IBCs must be sift-proof and water resistant or must be fitted with a sift-proof and water resistant liner).</li> </ul>
	<ul> <li>B54 - Open-top, sift-proof rail cars are also authorized.</li> <li>IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).</li> <li>IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner.</li> <li>N20 - A 5M1 multi-wall paper bag is authorized if transported in a closed transport vehicle.</li> <li>T1 - 1.5 178.274(d)(2) Normal</li></ul>
	TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Non Bulk (49 CFR 173.xxx)	: 155 : 213

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Marine pollutant       : No         14.3       Additional information       : No supplementary information available.         Special transport precautions       : IMDC/IATA - Not dangerous goods.         Overland transport       : Bascellaneous dangerous substances and articles         Packing group (ADR)       : III         Class (ADR)       : 9 · Miscellaneous dangerous substances and articles         Lazard identification number (Kemler No.)       : 90         Classification code (ADR)       : MT         Danger labels (ADR)       : 9 · Miscellaneous dangerous substances and articles         Orange plates       : 90         Charge plates       : 90         Tunnel restriction code       : E         Excepted quantities (ADR)       : 22         Excepted quantities (ADR)       : 22         Excepted quantities (ADR)       : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         MTAGNO       : 171         Transport by see       : No limit         CDT Quartify Limitations Passenger aircraft/mill (if CRT 173.27)       : No limit         CDT Quartify Limitations Cargo aircraft ont (if e194 of the Enforcement Regulations)       : Micrellaneous dangerous substances & articles/Hazardous materials notice Appended Tab Article 194 of the Enforcement Regulations)         CDT Qua	DOT Packaging Bulk (49 CFR 173.xxx)	: 240
14.3.       Additional information         Other information       :       No supplementary information available.         Special transport       :       IMDG/IATA - Not dangerous goods.         Overland transport       :       III         Packing group (ADR)       :       III         Class (ADR)       :       9 - Miscellaneous dangerous substances and articles         Hazard identification number (Kemler No.)       :       90         Classification code (ADR)       :       91         Danger labels (ADR)       :       90         Janager labels (ADR)       :       :         Tunnel restriction code       :       :         EX       :       :       90         Jaott transport       :       :       :         Dot Vessel Stowage Location       :       A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.	DOT RQ	: 100 lbs
Other information       1       No supplementary information available.         Special transport precautions       1       IMDG/IATA - Not dangerous goods.         Overland transport       Packing group (ADR)       1       III         Class (ADR)       2       9       Miscellaneous dangerous substances and articles         Hazard identification number (Kemier No.)       90       Image: Statistication code (ADR)       N/T         Danger labels (ADR)       9       Miscellaneous dangerous substances and articles         Orange plates       90       30777         Tunnel restriction code       E       E         Limited quantities (ADR)       5kg       EXC code         EXC code       2       Z         Excepted quantities (ADR)       171       A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         MFAG-No       171       Artransport       No limit         DOT Quarity Limitations Passenger aircraft/rail       No limit       No limit         OFT 175.75       IN collaneous dangerous substances & articles(Hazardous materials notice Appended Tabis Article 194 of the Enforcement Regulations)       The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         OT Vessel Stowage Location       171       A - The material may be stowed "on dec	Marine pollutant	: No
Special transport precautions : IMDG/IATA - Not dangerous goods.   Overland transport Packing group (ADR) : III   Class (ADR) : 9 - Miscellaneous dangerous substances and articles   Lazard identification number (Kemler No.) : 9 Miscellaneous dangerous substances and articles   Lassification code (ADR) : 9 - Miscellaneous dangerous substances and articles   Classification code (ADR) : 9 - Miscellaneous dangerous substances and articles   Danger labels (ADR) : 9 - Miscellaneous dangerous substances and articles   Orange plates : 900   Stag 2 : 900   Succepted quantities (ADR) : E   Unnel restriction code : E   Limited quantities (ADR) : 5kg   EAC code : 22   Excepted quantities (ADR) : E1   Transport by sea : A - The material may be stowed "on deck" on "under deck" on a cargo vessel and on a passenger vessel.   MFAG-No : 171   Air transport : No limit   (20 CR 173.27) : No limit   DOT Quantity Limitations Passenger aircraft/rial : No limit   (21 CR 175.75) : No limit   Civil Aeronautics Law : No limit   Cher Information : No supplementary information available.   14.1 Environmental hazards   Uber Information : No supplementary information available.	14.3. Additional information	
Overland transport         Packing group (ADR)       : III         Class (ADR)       : 9 • Miscellaneous dangerous substances and articles         Hazard identification number (Kemler No.)       : 9 0         Classification code (ADR)       : M7         Danger labels (ADR)       : 9 • Miscellaneous dangerous substances and articles         Orange plates       : 90         Classified in code (ADR)       : 90         Orange plates       : 90         Classified in code       : 9         Limited quantities (ADR)       : 90         Skog 2       : 22         Excepted quantities (ADR)       : 22         Excepted quantities (ADR)       : 11         Transport by sea       : 11         DOT Vessel Stowage Location       : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         MFAG-No       : 171         Air transport       : No limit         DOT Quantity Limitations Passenger aircraft/rail       : No limit         (rg CFR 173.27)       : No limit         CPT 175.75)       : No limit         Civil Aeronautics Law       : Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Tab Article 194 of the Enforcement Regulations)         14.4       Envinonmental ha	Other information	: No supplementary information available.
Packing group (ÅDR)       : III         Class (ADR)       : 9 • Miscellaneous dangerous substances and articles         Hazard identification number (Kemler No.)       : 9 • Miscellaneous dangerous substances and articles         Classification code (ADR)       : M7         Danger labels (ADR)       : 9 • Miscellaneous dangerous substances and articles         Orange plates       : 90         Unnel restriction code       : E         Limited quantities (ADR)       : 5kg         EAC code       : 2Z         Excepted quantities (ADR)       : E1         Transport by sea       : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         MFAG-No       : 111         Air transport dy sea       : No limit         OGY Optimulations Passenger aircraft/rail       : No limit         Gray GP 173.737       : No limit         Civil Aeronautics Law       : Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Tab Article 194 of the Enforcement Regulations)         T4.       Environmental hazards         Other information       : No supplementary information available.	Special transport precautions	: IMDG/IATA - Not dangerous goods.
Class (ADR) : 9 - Miscellaneous dangerous substances and articles Hazard identification number (Kemler No.) : 90 Classification code (ADR) : WT Danger labels (ADR) : 9 - Miscellaneous dangerous substances and articles Orange plates : 90 3077 Tunnel restriction code : E Entimited quantities (ADR) : 9 Case of the set of th	Overland transport	
Hazard identification number (Kemler No.) : 90 Classification code (ADR) : MT Danger labels (ADR) : 9 - Miscellaneous dangerous substances and articles	Packing group (ADR)	: 111
Classification code (ADR) : MT Danger labels (ADR) : 9 · Miscellaneous dangerous substances and articles	Class (ADR)	: 9 - Miscellaneous dangerous substances and articles
Danger labels (ADR)       : 9 - Miscellaneous dangerous substances and articles         Orange plates       : 90 3077         Tunnel restriction code       : 8         Limited quantities (ADR)       : 5kg         EAC code       : 22         Excepted quantities (ADR)       : E1         Transport by sea       : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         DOT Vessel Stowage Location       : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         MFAG-No       : 171         Air transport       : No limit         Qig OFR 173.27)       : No limit         DOT Quantity Limitations Cargo aircraft orally (49       : No limit         Civil Aeronautics Law       : Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Tabl Article 194 of the Enforcement Regulations)         14.4       Environmental hazards         Other information       : No supplementary information available.		
Orange plates       90         JOT Orange plates       90         JOT Vessel Stowage Location       5kg         POT Vessel Stowage Location       A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         DOT Vessel Stowage Location       A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         MFAG-No       171         Air transport       DOT Quantity Limitations Passenger aircraft/rail         DOT Quantity Limitations Cargo aircraft only (49)       No limit         (49 GFR 173.27)       No limit         DOT Quantity Limitations Cargo aircraft only (49)       No limit         (41 Environmental hazards       Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Table Article 194 of the Enforcement Regulations)         14.4       Environmental hazards         Other information       : No supplementary information available.		
Y0         30777         Tunnel restriction code       :         Limited quantities (ADR)       5kg         EAC code       :         Excepted quantities (ADR)       :         Excepted quantities (ADR)       :         Transport by sea       .         DOT Vessel Stowage Location       :       A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         MFAG-No       :       171         Air transport       .       .         DOT Quantity Limitations Passenger aircraft/rail       :       No limit         (4) G CFR 173.27)       .       No limit         CFR 175.75       .       .       .         Civil Aeronautics Law       :       .       Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Tabl Article 194 of the Enforcement Regulations)         14.4.       Environmental hazards         Chter information       :       No supplementary information available.         14.5.       Special precautions for user		
Limited quantities (ADR)       5kg         EAC code       :       2Z         Excepted quantities (ADR)       :       E1         Transport by sea       .       .         DOT Vessel Stowage Location       :       A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         MFAG-No       :       171         Air transport       .       .         DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)       :       No limit         OT Quantity Limitations Cargo aircraft only (49 ;       :       No limit         CFR 175.75)       :       No limit         Vide cronautics Law       :       Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Tabl Article 194 of the Enforcement Regulations)         14.4.       Environmental hazards       .         Other information       :       No supplementary information available.         14.5.       Special precautions for user       :	Orange plates	3077
EAC code       : 2Z         Excepted quantities (ADR)       : E1         Transport by sea		
Excepted quantities (ADR)       : E1         Transport by sea	,	-
Transport by sea         DOT Vessel Stowage Location       : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         MFAG-No       : 171         Air transport       DOT Quantity Limitations Passenger aircraft/rail         DOT Quantity Limitations Passenger aircraft/rail       : No limit         (49 CFR 173.27)       DOT Quantity Limitations Cargo aircraft only (49)       : No limit         CFR 175.75)       : Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Table Article 194 of the Enforcement Regulations)         14.4.       Environmental hazards         Other information       : No supplementary information available.         14.5.       Special precautions for user		
DOT Vessel Stowage Location       : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.         MFAG-No       : 171         Air transport       DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)         DOT Quantity Limitations Cargo aircraft only (49 ; No limit CFR 175.75)       : No limit (49 CFR 175.75)         Civil Aeronautics Law       : Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Table Article 194 of the Enforcement Regulations)         14.4.       Environmental hazards         Other information       : No supplementary information available.         14.5.       Special precautions for user	Excepted quantities (ADR)	: E1
MFAG-No       : 171         Air transport	Transport by sea	
Air transport         DOT Quantity Limitations Passenger aircraft/rail : No limit         (49 CFR 173.27)         DOT Quantity Limitations Cargo aircraft only (49 : No limit         CFR 175.75)         Civil Aeronautics Law         14.4.         Environmental hazards         Other information         : No supplementary information available.	DOT Vessel Stowage Location	
DOT Quantity Limitations Passenger aircraft/rail       : No limit         (49 CFR 173.27)       DOT Quantity Limitations Cargo aircraft only (49)       : No limit         DOT Quantity Limitations Cargo aircraft only (49)       : No limit       : No limit         CFR 175.75)       : Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Table Article 194 of the Enforcement Regulations)         14.4.       Environmental hazards         Other information       : No supplementary information available.         14.5.       Special precautions for user	MFAG-No	: 171
(49 CFR 173.27)         DOT Quantity Limitations Cargo aircraft only (49 : No limit         CFR 175.75)         Civil Aeronautics Law         : Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Table Article 194 of the Enforcement Regulations)         14.4.       Environmental hazards         Other information       : No supplementary information available.         14.5.       Special precautions for user	Air transport	
CFR 175.75)       Civil Aeronautics Law       Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Table Article 194 of the Enforcement Regulations)         14.4.       Environmental hazards         Other information       : No supplementary information available.         14.5.       Special precautions for user		: No limit
Article 194 of the Enforcement Regulations)         14.4.       Environmental hazards         Other information       : No supplementary information available.         14.5.       Special precautions for user		: No limit
Other information       : No supplementary information available.         14.5.       Special precautions for user	Civil Aeronautics Law	: Miscellaneous dangerous substances & articles(Hazardous materials notice Appended Table Article 194 of the Enforcement Regulations)
14.5. Special precautions for user	14.4. Environmental hazards	
	Other information	: No supplementary information available.
Special transport precautions : IMDG/IATA - Not dangerous goods.	14.5. Special precautions for user	
	Special transport precautions	: IMDG/IATA - Not dangerous goods.

Not applicable

SECTION 15: Regulatory information		
15.1. US Federal regulations		
URETHANE (ETHYL CARBAMATE) (ETHYL-D5, 98%) (73962-07-9)		
Subject to reporting requirements of United States SARA Section 313		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard	

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 15.2. International regulations

#### CANADA

No additional information available

### 15.2.1. National regulations

No additional information available

#### 15.3. US State regulations

URETHANE (ETHYL CARBAMATE) (ETHYL-D5, 98%)(73962-07-9)		
State or local regulations	U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List WARNING! This product contains a chemical known by the state of California to cause cancer, birth defects or other reproductive harm.	

### **SECTION 16: Other information**

Other information

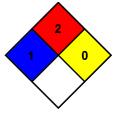
: This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

### Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Carc. 1B	Carcinogenicity, Category 1B
H302	Harmful if swallowed
H350	May cause cancer
R22	Harmful if swallowed
R45	May cause cancer
R49	May cause cancer by inhalation
Xn	Harmful

## NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

- injury even if no treatment is given.2 Must be moderately heated or exposed to relatively high
- temperature before ignition can occur.
- : 0 Normally stable, even under fire exposure conditions, and are not reactive with water.



#### **HMIS III Rating**

NFPA fire hazard

NFPA reactivity

Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 0 Minimal Hazard
Physical	: 0 Minimal Hazard

#### CIL Multi-Solvent Mixture SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product