



Allied Pressroom Products
Chemicals for the International Printing Industry

SAFETY DATA SHEET ALLIED METER X III (USA)

1. Identification

Product identifier

Product name ALLIED METER X III (USA)

Recommended use of the chemical and restrictions on use

Application For use as a roller cleaner in the lithographic printing industry. Roller cleaner.

Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier ALLIED PRESSROOM PRODUCTS
2040 Lee Street
Hollywood
FL 33020
USA
+1 800-327-8487 (09:00-17:00 EST)
+1 954-923-6462
info@alliedchem.com

Manufacturer Same as supplier

Emergency telephone number

Emergency telephone 24 HR. EMERGENCY TELEPHONE 800-424-9300 CHEMTREC Allied Pressroom Products
+1 800-327-8487 (09:00-17:00 EST)

National emergency telephone number 911

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Flam. Liq. 2 - H225

Health hazards Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Carc. 2 - H351 STOT SE 3 - H335, H336 STOT RE 2 - H373 Asp. Tox. 1 - H304

Environmental hazards Not Classified

Human health

Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. The liquid is irritating to eyes and skin. Harmful by inhalation. Vapors and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. May cause damage to organs (Central nervous system, Liver, Kidneys) through prolonged or repeated exposure. Spray/mists may cause respiratory tract irritation. Suspected of causing cancer if inhaled.

Environmental

The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Physicochemical

The product is highly flammable. Vapors may form explosive mixtures with air.

ALLIED METER X III (USA)

Label elements

Pictogram



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapor.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H351 Suspected of causing cancer by inhalation.
 H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
 P260 Do not breathe vapor/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 If swallowed: Immediately call a poison center/doctor.
 P308+P313 If exposed or concerned: Get medical advice/attention.
 P331 Do NOT induce vomiting.

Contains

acetone, XYLENE, PROPAN-2-OL, ETHYLBENZENE

Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

3. Composition/information on ingredients

Mixtures

acetone	30-60%
CAS number: 67-64-1	
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2A - H319	
STOT SE 3 - H336	
XYLENE	10-30%
CAS number: 1330-20-7	
Classification	
Flam. Liq. 3 - H226	
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2A - H319	
STOT SE 3 - H335	
STOT RE 2 - H373	
Asp. Tox. 1 - H304	

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PROPAN-2-OL	10-30%
CAS number: 67-63-0	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2A - H319 STOT SE 3 - H336	
ETHYLBENZENE	10-30%
CAS number: 100-41-4	
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304	
2-BUTOXYETHANOL	5-10%
CAS number: 111-76-2	
Classification Flam. Liq. 4 - H227 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319	

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation	Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Remove affected person from source of contamination. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Most important symptoms and effects, both acute and delayed

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General information	Causes damage to organs (Central nervous system , Kidneys , Liver) through prolonged or repeated exposure.
Inhalation	Drowsiness, dizziness, disorientation, vertigo. Harmful by inhalation. Contains a substance which may cause cancer by inhalation. Vapors irritate the respiratory system.
Ingestion	May cause discomfort if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	Prolonged contact may cause redness, irritation and dry skin. Irritating to skin.
Eye contact	Irritating.

Indication of immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with the following media: Carbon dioxide (CO₂). Alcohol-resistant foam. Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media Do not use water, if avoidable.

Special hazards arising from the substance or mixture

Specific hazards The product is highly flammable.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapors. Containers close to fire should be removed or cooled with water. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid contact with skin or inhalation of spillage, dust or vapour. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

Reference to other sections For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

ALLIED METER X III (USA)

Usage precautions Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Avoid inhalation of vapors. Provide adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required. Use approved respirator if air contamination is above an acceptable level. Storage tanks and other containers must be grounded. In use may form flammable/explosive vapour-air mixture. Use explosion-proof electrical, ventilating and lighting equipment. Contents may develop pressure upon prolonged storage.

Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidizing materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Ground container and transfer equipment to eliminate sparks from static electricity.

Storage class Flammable liquid storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

acetone

Long-term exposure limit (8-hour TWA): ACGIH 500 ppm 1188 mg/m³

Long-term exposure limit (8-hour TWA): OSHA 1000 ppm 2400 mg/m³

Short-term exposure limit (15-minute): ACGIH 750 ppm 1782 mg/m³

A4

XYLENE

Long-term exposure limit (8-hour TWA): ACGIH 100 ppm 434 mg/m³

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m³

Short-term exposure limit (15-minute): ACGIH 150 ppm 651 mg/m³

A4

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): OSHA 400 ppm 980 mg/m³

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm 492 mg/m³

Short-term exposure limit (15-minute): ACGIH 400 ppm 984 mg/m³

A4

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m³

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 87 mg/m³

A3

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm

Long-term exposure limit (8-hour TWA): OSHA 50 ppm 240 mg/m³

A3, Sk

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

Sk = Danger of cutaneous absorption.

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

A4 = Not Classifiable as a Human Carcinogen.

acetone (CAS: 67-64-1)

ALLIED METER X III (USA)

Immediate danger to life and health 2500 ppm

PROPAN-2-OL (CAS: 67-63-0)

DNEL Industry - Dermal; Long term systemic effects: 888 mg/kg/day Industry - Inhalation; Long term systemic effects: 500 mg/m³

PNEC - Sediment (Marinewater); 552 mg/kg - Fresh water; 140.9 mg/l - Marine water; 140.9 mg/l - Soil; 28 mg/kg - STP; 2251 mg/l - Sediment (Freshwater); 552 mg/kg

Immediate danger to life and health 2000 ppm

ETHYLBENZENE (CAS: 100-41-4)

Immediate danger to life and health 800 ppm

2-BUTOXYETHANOL (CAS: 111-76-2)

DNEL Industry - Inhalation; Long term systemic effects: 20 ppm Industry - Dermal; Short term systemic effects: 89 mg/kg/day Industry - Inhalation; Short term systemic effects: 135 ppm Industry - Inhalation; Short term local effects: 50 ppm Industry - Dermal; Long term systemic effects: 75 mg/kg/day

PNEC - Marine water; 0.88 mg/l - Sediment (Freshwater); 43.6 mg/kg - Soil; 2.8 mg/kg - STP; 463 mg/l - Sediment (Marinewater); 3.46 mg/kg - Fresh water; 8.8 mg/l

Immediate danger to life and health 700 ppm

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Wear protective gloves made of the following material: Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). Nitrile rubber.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Do not smoke in work area.

Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

9. Physical and Chemical Properties

ALLIED METER X III (USA)

Information on basic physical and chemical properties

Appearance	Clear liquid.
Color	Water-white.
Odor	Hydrocarbons. / Alcoholic.
Odor threshold	No information available.
pH	Not applicable.
Melting point	Not applicable.
Initial boiling point and range	132 - 340°F @ 760 mm Hg
Flash point	< 4°F TCC (Tag closed cup).
Evaporation rate	< 1 (butyl acetate = 1)
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	185 mm Hg @ 20°C
Vapour density	> 1
Relative density	0.85 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Partially miscible in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	Kinematic viscosity ≤ 20.5 mm ² /s.
Oxidising properties	Not applicable.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
Volatile organic compound	This product contains a maximum VOC content of 564 g/l. This product contains a maximum VOC content of 4.7 lb per Gallon.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid heat, flames and other sources of ignition.
Materials to avoid	Strong oxidizing agents. Strong reducing agents.
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂).

ALLIED METER X III (USA)

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 23,962.01

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 3,518.58

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Harmful if inhaled.

ATE inhalation (gases ppm) 10,722.84

ATE inhalation (vapours mg/l) 26.21

ATE inhalation (dusts/mists mg/l) 3.57

Skin corrosion/irritation

Animal data Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Suspected of causing cancer if inhaled.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Drowsiness, dizziness, disorientation, vertigo. Gas or vapor in high concentrations may irritate the respiratory system.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Contains xylene May cause damage to organs (Central nervous system , Kidneys , Liver) through prolonged or repeated exposure.

Target organs Central nervous system Kidneys Liver

Aspiration hazard

Aspiration hazard Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

General information

Causes damage to organs (Central nervous system , Kidneys , Liver) through prolonged or repeated exposure.

ALLIED METER X III (USA)

Inhalation	Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death. Harmful by inhalation. Vapors irritate the respiratory system. Contains a substance which may cause cancer by inhalation.
Ingestion	Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
Skin Contact	Irritating. Prolonged contact may cause redness, irritation and dry skin. Contains components which may penetrate the skin.
Eye contact	Irritating.
Route of entry	Inhalation Skin absorption Skin and/or eye contact
Medical Symptoms	Skin irritation. Dry skin. Irritation of eyes and mucous membranes. Drowsiness, dizziness, disorientation, vertigo. Central nervous system depression. Kidney damage. Liver damage. Suspected to increase risk of cancer. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

12. Ecological Information

Ecotoxicity Not known. The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Toxicity

Acute toxicity - fish Not known.

Acute toxicity - aquatic invertebrates Not known.

Acute toxicity - aquatic plants Not known.

Persistence and degradability

Persistence and degradability This cleaning preparation does not contain any surfactants. There are no data on the degradability of this product.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient No information available.

Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is partly soluble in water and may spread in the aquatic environment.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Other adverse effects

Other adverse effects Not known.

13. Disposal considerations

Waste treatment methods

ALLIED METER X III (USA)

General information When handling waste, the safety precautions applying to handling of the product should be considered. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

UN Number

UN No. (DOT) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN proper shipping name

Proper shipping name (DOT) FLAMMABLE LIQUID, N.O.S. (acetone & isopropyl alcohol) (RQ Xylene)

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (acetone & isopropyl alcohol) (RQ Xylene)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (acetone & isopropyl alcohol) (RQ Xylene)

Transport hazard class(es)

IMDG Class 3

ICAO class/division 3

Transport labels



Packing group

DOT pack group II

IMDG packing group II

ICAO packing group II

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

EmS F-E, S-E

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Known

15. Regulatory information

International Regulations

US Federal Regulations

ALLIED METER X III (USA)

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Not listed

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

ETHANEDIOL

<0.1%

BENZENE

<0.01%

METHANOL

<0.01%

acetone

30-60%

NAPHTHALENE

<0.01%

TOLUENE

<0.1%

CUMENE

<1%

ETHYLBENZENE

10-30%

XYLENE

10-30%

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed

SARA 313 Emission Reporting

2-BUTOXYETHANOL

5-10%

ETHYLBENZENE

10-30%

XYLENE

10-30%

CAA Accidental Release Prevention

Not listed

FDA - Essential Chemical

Not listed

FDA - Precursor Chemical

Not listed

OSHA Highly Hazardous Chemicals

Not listed

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

BENZENE

<0.01%

ALLIED METER X III (USA)

METHANOL

<0.01%

NAPHTHALENE

<0.01%

TOLUENE

<0.1%

CUMENE

<1%

ETHYLBENZENE

10-30%

California Air Toxics "Hot Spots" (A-I)

PROPAN-2-OL

10-30%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

BENZENE

<0.01%

METHANOL

<0.01%

NAPHTHALENE

<0.01%

TOLUENE

<0.1%

CUMENE

<1%

ETHYLBENZENE

10-30%

XYLENE

10-30%

California Air Toxics "Hot Spots" (A-II)

Not listed

California Directors List of Hazardous Substances

PROPAN-2-OL

10-30%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

BENZENE

<0.01%

ALLIED METER X III (USA)**METHANOL**

<0.01%

acetone

30-60%

NAPHTHALENE

<0.01%

TOLUENE

<0.1%

CUMENE

<1%

ETHYLBENZENE

10-30%

XYLENE

10-30%

Massachusetts "Right To Know" List**PROPAN-2-OL**

10-30%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

BENZENE

<0.01%

METHANOL

<0.01%

acetone

30-60%

NAPHTHALENE

<0.01%

TOLUENE

<0.1%

CUMENE

<1%

ETHYLBENZENE

10-30%

XYLENE

10-30%

Rhode Island "Right To Know" List**PROPAN-2-OL**

10-30%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

ALLIED METER X III (USA)**BENZENE**

<0.01%

METHANOL

<0.01%

acetone

30-60%

NAPHTHALENE

<0.01%

TOLUENE

<0.1%

CUMENE

<1%

ETHYLBENZENE

10-30%

XYLENE

10-30%

Minnesota "Right To Know" List**PROPAN-2-OL**

10-30%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

BENZENE

<0.01%

METHANOL

<0.01%

acetone

30-60%

NAPHTHALENE

<0.01%

TOLUENE

<0.1%

CUMENE

<1%

ETHYLBENZENE

10-30%

XYLENE

10-30%

New Jersey "Right To Know" List**PROPAN-2-OL**

10-30%

ETHANEDIOL

<0.1%

ALLIED METER X III (USA)**2-BUTOXYETHANOL**

5-10%

BENZENE

<0.01%

METHANOL

<0.01%

acetone

30-60%

NAPHTHALENE

<0.01%

TOLUENE

<0.1%

CUMENE

<1%

ETHYLBENZENE

10-30%

XYLENE

10-30%

Pennsylvania "Right To Know" List**PROPAN-2-OL**

10-30%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

BENZENE

<0.01%

METHANOL

<0.01%

acetone

30-60%

NAPHTHALENE

<0.01%

TOLUENE

<0.1%

CUMENE

<1%

ETHYLBENZENE

10-30%

XYLENE

10-30%

Inventories**Canada - DSL/NDL**

ALLIED METER X III (USA)

All the ingredients are listed or exempt.
DSL

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

Not listed

16. Other information

Key literature references and sources for data Material Safety Data Sheet, Misc. manufacturers.

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by J Waterfield

Revision date 6/8/2015

Revision 2.0

Supersedes date 9/1/2014

SDS No. 21352

Hazard statements in full

- H225 Highly flammable liquid and vapor.
- H227 Combustible liquid.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer by inhalation.
- H373 May cause damage to organs through prolonged or repeated exposure.

ACA HMIS Health rating. Moderate hazard. (2)

ACA HMIS Physical hazard rating. Normally stable. (0)

ACA HMIS Personal protection rating. C

ACA HMIS Flammability rating. Ignites easily. (3)

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.