# SAFETY DATA SHEET

Revision date: 12-Jul-2023



Revision Number 7

# 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product identifier	
Product Name	ACRYLIC ACID
Product Code(s)	000030121001
Other means of identification	
UN number	2218
CAS No.	79-10-7
Synonyms	2-Propenoic acid; Vinylformic acid; Acroleic acid; Ethylene carboxylic acid; Glacial acrylic acid.
Recommended use of the chem	nical and restrictions on use
Recommended use	Monomer.
Uses advised against	No information available
Supplier Ixom Operations Pty Ltd ABN: 51 600 546 512 Level 8, 1 Nicholson Street Melbourne 3000	

Telephone Number: +61 3 9906 3000

#### Emergency telephone number

Emergency telephone number 1 800 033 111 (ALL HOURS)

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

# 2. HAZARDS IDENTIFICATION

#### GHS Classification

Australia

Classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

Flammable liquids	Category 3
Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Skin corrosion/irritation	Category 1 Sub-category A

Serious eye damage/eye irritation	Category 1
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 2

SIGNAL WORD Danger

#### Label elements

Corrosion Flame Skull and crossbones Environment



#### Hazard statements

H226 - Flammable liquid and vapor

H302 - Harmful if swallowed

- H314 Causes severe skin burns and eye damage
- H311 Toxic in contact with skin

H331 - Toxic if inhaled

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations: H400 - Very toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

# **Precautionary Statements - Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking Keep container tightly closed Ground/bond container and receiving equipment Use explosion-proof electrical, ventilating, lighting equipment Use only non-sparking tools Take precautionary measures against static discharge Do not breathe fume, gas, mist, vapours, spray Wash face, hands and any exposed skin thoroughly after handling Wash eyes thoroughly after handling. Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area Wear protective gloves / protective clothing / eye protection / face protection Wear respiratory protection Avoid release to the environment **Precautionary Statements - Response** Specific treatment is urgent (see First aid on this SDS) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician IF ON SKIN: Wash with plenty of soap and water IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Call a POISON CENTER or doctor/physician if you feel unwell Wash contaminated clothing before reuse IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth Do NOT induce vomiting In case of fire: Use extinguishing media as outlined in Section 5 of this Safety Data Sheet to extinguish.

#### Collect spillage

#### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed

Store in a well-ventilated place. Keep cool Store locked up

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

# Other hazards which do not result in classification

General Hazards

Poisons Schedule (SUSMP) None allocated

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Acrylic acid	79-10-7	>=99.5%
Methyl ether of hydroquinone	150-76-5	180-220 ppm

#### Description of first aid measures

General advice	For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.	
Inhalation	Remove to fresh air. If breathing is difficult, (trained personnel should) give oxygen. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing has stopped, give artificial respiration. Get medical attention immediately.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.	
Skin contact	IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention immediately if symptoms occur.	
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.	
Self-protection of the first aider	Remove all sources of ignition. Do not breathe fume, gas, mist, vapours, spray. Avoid contact with skin, eyes, and clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.	
Most important symptoms and effe	cts, both acute and delayed	
Symptoms	Irritation/Corrosion. May cause redness and tearing of the eyes. Erythema (skin redness). Burning.	
Indication of any immediate medical attention and special treatment needed		
Note to physicians	Treat symptomatically. Can cause corneal burns. No specific antidote. Delayed pulmonary edema may occur.	

# 5. FIRE FIGHTING MEASURES Suitable Extinguishing Media Suitable Extinguishing Media Dry chemical, CO2, water spray or regular foam. Unsuitable extinguishing media High volume water jet. Specific hazards arising from the chemical Specific hazards arising from the chemical Flammable. Risk of ignition. May form flammable vapour mixtures with air. Keep product and empty container away from heat and sources of ignition. Risk of violent self-polymerization if overheated in a container. Cool drums with water spray. In case of a fire in the vicinity a restabilization system should be used if the temperature in the bulk

self-polymerization if overheated in a container. Cool drums with water spray. In case of a fire in the vicinity a restabilization system should be used if the temperature in the bulk storage-tank reaches 45°C. Evacuate area of all unnecessary personnel. In case of a fire in the vicinity evacuate all personnel in a greater area if the temperature in the bulk storage-tank reaches 60°C. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective actions for fire-fighters

Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
Hazchem code	•2W

# 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes, and clothing. Do not breathe vapor or mist. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Use personal protective equipment as required. Wash thoroughly after handling. See section 8 for more information.	
Other information	Extremely slippery when spilled.	
For emergency responders	In the case of vapor formation use a respirator with an approved filter. Shut off ignition sources. Clear area of all unprotected personnel. Pay attention to flashback.	
Environmental precautions		
Environmental precautions	Refer to protective measures listed in Sections 7 and 8. 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	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.	
Methods for cleaning up	Slippery when spilt. Avoid accidents, clean up immediately. Take precautionary measures against static discharges. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Use non-sparking tools. For large amounts, pump off product.	

# 7. HANDLING AND STORAGE

### Precautions for safe handling

Advice on safe handling	The product may be handled only by appropriately trained personnel. If drummed product freezes, before use complete thawing is required in water bath. Do not use steam to heat or thaw the product. Never remove liquid from a partially-thawed container; the remaining material could be seriously under-inhibited. Avoid contact with skin and eyes. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Use personal protection equipment. Wash thoroughly after handling. Ensure thorough ventilation of stores and work areas. Encapsulation or exhaust ventilation is necessary. Vent waste air to atmosphere only through suitable separators. Check the condition of seals and connector screw threads. Do not open warm or swollen product containers. Remove persons to safety and alert fire brigade. Do not store with less than 10 % headspace above liquid.
General hygiene considerations	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands and face before breaks and immediately after handling the product.
Conditions for safe storage, includ	ng any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct sunlight. Keep at temperatures between 15 °C and 25 °C. Store away from sources of heat or ignition. Ensure adequate inhibitor and dissolved oxygen level. It is recommended that all conductive parts of the machinery are grounded. Explosion-proof equipment is not necessary when loading and processing of the product takes place at a minimum of 5°C below the flash point. Keep container closed when not in use.
	Storage temperature: 45 °C A restabilization system should be used if the temperature in the bulk storage-tank reaches the indicated value. Storage temperature: 60 °C All personnel in a greater area should be evacuated if the temperature in the bulk storage-tank reaches the indicated value.
Incompatible materials	Radical formers, free radical initiators, peroxides, mercaptans, nitro-compounds, perborates, azides, ether, ketones, aldehydes, amines, nitrates, nitrites, oxidizing agents, reducing agents, strong bases, alkaline reactive substances, acid anhydrides, acid chlorides, concentrated mineral acids, metal salts, inert gas.

Poisons Schedule (SUSMP) No

None allocated

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Control parameters

#### **Exposure Limits**

Acrylic acid: 8hr TWA = 5.9 mg/m<sup>3</sup> (2 ppm), Sk

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

`Sk' (skin) Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

#### Appropriate engineering controls

**Engineering controls** 

Ensure that eyewash stations and safety showers are close to the workstation location. Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

#### Individual protection measures, such as personal protective equipment

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, CHEMICAL GOGGLES, FACE SHIELD, GLOVES (Long), APRON, RUBBER BOOTS.

Eye/face protection	Tight sealing safety goggles. If splashes are likely to occur:. Face protection shield.	
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.	
Hand protection	Elbow-length impervious gloves.	
Respiratory protection	If determined by a risk assessment an inhalation risk exists, wear an organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.	
Environmental exposure controls	No information available.	

# 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state	Liquid	
Appearance	No information available	
Color	Colourless	
Odor	Vinegar -like	
Odor threshold	Not determined	

Property	<u>Values</u> 2 (~70 g/L, 20°C, literature data)	Remarks • Method
pH pH (as aqueous solution)	No data available	None known
Melting point / freezing point	13°C (literature data)	None known
Boiling point / boiling range	141°C @1013 hPa (literature data) 48.5°C	None known None known
Flash point Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive limits	No data available	
Vapor pressure	5.29 hPa @25°C (literature data)	None known
Vapor density	2.48 @20°C (air=1)	
Relative density	1.05 @20°C (literature data)	
Water solubility	Miscible in water	
Solubility(ies)	Miscible in organic solvents.	None known
Partition coefficient	log Pow = 0.46 @25°C	None known
Autoignition temperature	>300°C	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	1.149 mPa.s @25°C (literature data)	None known

Other information

# **10. STABILITY AND REACTIVITY**

Reactivity

Reactivity

Reacts with nitric acid. Polymerizes explosively in contact with strong oxidizing agents.

**Chemical stability** 

Stability

Stable under recommended storage conditions.

#### **Explosion** data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

#### Possibility of hazardous reactions

Possibility of hazardous reactions

**ions** Vapours can form an explosive mixture with air. Corrosive to metals in the presence of moisture. Explosion and fire hazard exists under confined conditions. Ignitable air mixtures can form when the product is heated above the flash point and/or when sprayed or atomized. Formation of explosive gas/air mixtures. Polymerization coupled with heat formation. Risk of spontaneous polymerization by oxygen depletion of the liquid phase. Risk of spontaneous polymerization when heated or in the presence of UV radiation. Risk of spontaneous and violent self-polymerization if inhibitor is lost or product is exposed to excessive heat. Polymerization produces gases which may burst closed or confined containers. Reactions may cause ignition. Radical formation can cause exothermic polymerization. Reacts with peroxides and other radical components. Risk of spontaneous polymerization in the presence of starters for radical chain reactions (e.g. peroxides). Reacts with nitric acid. Polymerizes explosively in contact with strong oxidizing agents. Risk of spontaneous polymerization in the presence of oxidizing agents. Hazardous reactions in presence of mentioned incompatible materials to avoid. The product is stabilized against spontaneous polymerization prior to despatch.

Conditions to avoid	
Conditions to avoid	Heat, flames and sparks. UV-radiation/sunlight. Static discharge (electrostatic discharge). Avoid contact with water. Avoid exposure to moisture. Avoid freezing temperatures. Avoid oxygen content above the product of less than 5 %. Avoid inhibitor loss. Avoid aerosol formation.
Incompatible materials	
Incompatible materials	Radical formers, free radical initiators, peroxides, mercaptans, nitro-compounds, perborates, azides, ether, ketones, aldehydes, amines, nitrates, nitrites, oxidizing agents, reducing agents, strong bases, alkaline reactive substances, acid anhydrides, acid chlorides, concentrated mineral acids, metal salts, inert gas.

#### Hazardous decomposition products

Hazardous decomposition products No hazardous decomposition products if stored and handled as prescribed/indicated.

# 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Information on likely routes of exposure

Product Information	No adverse health effects expected if the chemical is handled in accordance with this Safety Data Sheet and the chemical label. Symptoms or effects that may arise if the chemical is mishandled and overexposure occurs are:	
Inhalation	May cause irritation. Toxic by inhalation.	
Eye contact	Causes serious eye damage.	
Skin contact Causes burns.		
Ingestion	Can burn mouth, throat, and stomach. Harmful if swallowed.	
Symptoms	Irritation/Corrosion. May cause redness and tearing of the eyes. May cause blindness. Erythema (skin redness). Burning.	

#### Numerical measures of toxicity - Product Information

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acrylic acid	= 1000-<2000 mg/kg (Rat)	= 280 µL/kg (Rabbit) = 295	= 3.6 mg/L (Rat) 4 h = 11.1
-		mg/kg (Rabbit)	mg/L(Rat)1 h
Methyl ether of hydroquinone	= 1600 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-

See section 16 for terms and abbreviations

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Causes burns.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitization	Not a skin sensitiser (guinea pig).

Germ cell mutagenicity	No information available.	
Carcinogenicity	This material has been classified by the International Agency for Research on Cancer (IARC) as a Group 3 agent. Group 3 - The agent is not classifiable as to its carcinogene to humans. Data available is insufficient for an assessment to be made.	
Reproductive toxicity	No information available.	
STOT - single exposure	No information available.	
STOT - repeated exposure	No information available.	
Aspiration hazard	Not applicable.	

# 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Ecotoxicity

Keep out of waterways. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acrylic acid	EC50: =0.17mg/L (96h, Pseudokirchneriella subcapitata) EC50: =0.04mg/L (72h, Desmodesmus subspicatus)	LC50: =222mg/L (96h, Brachydanio rerio)	-	EC50: =95mg/L (48h, Daphnia magna) LC50: =270mg/L (24h, Daphnia magna)
Methyl ether of hydroquinone	-	LC50: =84.3mg/L (96h, Pimephales promelas) LC50: =28.5mg/L (96h, Oncorhynchus mykiss)	-	-

#### Persistence and degradability

Persistence and degradability Readily biodegradable.

#### Bioaccumulative potential

Bioaccumulation

Material does not bioaccumulate.

#### **Component Information**

Chemical name	Partition coefficient
Acrylic acid	0.46
Methyl ether of hydroquinone	1.3

#### Mobility

Mobility in soil

No information available.

Other adverse effects

# **13. DISPOSAL CONSIDERATIONS**

#### Waste treatment methods

Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers must be tripled rinsed prior to disposal.

# **14. TRANSPORT INFORMATION**

#### <u>ADG</u>

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

UN number	2218
Proper shipping name	ACRYLIC ACID, STABILIZED
Hazard class	8
Subsidiary hazard class	3
Packing group	II
Hazchem code	•2W

#### <u>IATA</u>

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN number UN proper shipping name	2218 ACRYLIC ACID, STABILIZED
Transport hazard class(es)	8
Subsidiary hazard class	3
Packing group	II

#### IMDG

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN number	2218
UN proper shipping name	ACRYLIC ACID, STABILIZED
Transport hazard class(es)	8
Subsidiary hazard class	3
Packing group	II
IMDG EMS Fire	F-E
IMDG EMS Spill	S-C
Marine pollutant	Yes

# **15. REGULATORY INFORMATION**

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

#### <u>Australia</u>

Classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

See section 8 for national exposure control parameters

Poisons Schedule (SUSMP)	None allocated	
Major hazard (accident/incident planning) regulation Verify that license requirements are met <u>Hazardous chemical</u> Liquids that meet the criteria for Class 3 Packing Group II or III		Threshold quantity (T) 50 000
National pollutant inventory Subject to reporting requirement		
Chemical name		National pollutant inventory
Acrylic acid - 79-10-7		10 tonne/yr Threshold category 1
AIIC NZIoC	All the constituents of this material are listed on the Australian Inventory of Industrial Chemicals. All the constituents of this material are listed on the New Zealand Inventory of Chemicals.	
Legend: AIIC- Australian Inventory of Indu NZIoC - New Zealand Inventory of		
International Regulations		
The Montreal Protocol on Substa	nces that Deplete the Ozone	Layer Not applicable
The Stockholm Convention on Pe	rsistent Organic Pollutants	Not applicable
The Rotterdam Convention Not a	opplicable	

# **16. OTHER INFORMATION**

Supplier Safety Data Sheet 12/ 2022

Reason(s) For Issue: 5 Yearly Revised Primary SDS

Issuing Date: 12-Jul-2023

This Safety Data Sheet has been prepared by Ixom Operations Pty Ltd (Toxicology and SDS Services).

**Revision Note:** 

The symbol (\*) in the margin of this SDS indicates that this line has been revised.

### Key or legend to abbreviations and acronyms used in the safety data sheet

# Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL
Ceiling	Maximum limit value	*
С	Carcinogen	

STEL (Short Term Exposure Limit) Skin designation

#### Key literature references and sources for data used to compile the SDS

EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) Japan GHS Classification Australian Industrial Chemicals Introduction Scheme (AICIS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID) Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co-operation and Development Screening Information Data Set RTECS (Registry of Toxic Effects of Chemical Substances) World Health Organization

#### **Disclaimer**

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Ixom Operations Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Ixom representative or Ixom Operations Pty Ltd at the contact details on page 1.

Ixom Operations Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

End of Safety Data Sheet