Material Safety Data Sheet

Methyl Acrylate

Section 1 - Chemical Product

MSDS: Methyl acrylate

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
96-33-3	Methyl acrylate	>95
150-76-5	4-Methoxyphenol	0.001-0.002

Section 3 - Hazards Identification

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Getmedical attention.

Skin Contact Get medical attention. Wash off immediately with plenty of water for at least 15minutes.

Inhalation Remove to fresh air. Get medical attention. If not breathing, give artificial respiration.

Ingestion Do NOT induce vomiting. Get medical attention.

Most important symptoms and effects Difficulty in breathing. May cause allergic skin reaction. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nauseaandvomiting: Symptoms of allergic reaction may include rash, itching, swelling, troublebreathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, musclepain or flushing

Notes to Physician Treat symptomatically

Section 4 - First Aid Measures

Suitable Extinguishing Media Water spray. Carbon dioxide (CO 2). Dry chemical. Chemical foam. Water mist may be used to cool closed containers

Unsuitable Extinguishing Media No information available

Flash Point -3 °C / 26.6 °F Method - No information available

Autoignition Temperature 463 °C / 865.4 °F

Explosion Limits

Upper 25%

Lower 2.8%

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical Flammable. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containersmayexplode when heated. Vapors may form explosive mixtures with air.

Hazardous Combustion Products Carbon monoxide (CO). Carbon dioxide (CO2). Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) andfull protective gear.

Section 5 - Fire Fighting Measures

Personal Precautions Remove all sources of ignition. Take precautionary measures against static discharges. Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment and Clean Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Prevent product from entering drains. Keep in suitable, closed containersfor disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Do not flush into surface water or sanitary sewer system

Section 6 - Accidental Release Measures

Handling Avoid contact with skin and eyes. Wear personal protective equipment/face protection. Donot breathe mist/vapors/spray. Take precautionary measures against static discharges. Usespark-proof tools and explosion-proof equipment. Use only non-sparking tools. Keepawayfrom open flames, hot surfaces and sources of ignition. To avoid ignition of vaporsbystaticelectricity discharge, all metal parts of the equipment must be grounded.

Storage. To maintain product quality Refrigerator/flammables. Keep container tightly closed. Keepaway from heat/sparks/open flames/hot surfaces. - No smoking. IncompatibleMaterials. Acids. Bases. Peroxides.

Section 7 - Handling and Storage

Engineering Measures Ensure adequate ventilation, especially in confined areas. Ensure that eyewashstationsand safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting equipment.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as describedbyOSHA's eye and face protection regulations in 29 CFR 1910.133 or EuropeanStandardEN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or EuropeanStandardEN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Section 8 - Exposure Controls, Personal Protection

Engineering Measures Ensure adequate ventilation, especially in confined areas. Ensure that eyewashstationsand safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting equipment.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as describedbyOSHA's eye and face protection regulations in 29 CFR 1910.133 or EuropeanStandardEN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or EuropeanStandardEN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Section 9 - Physical and Chemical Properties

Physical State Liquid

Appearance Colorless

Odor Stench

Odor Threshold No information available

pH No information available

Melting Point/Range -75 °C / -103 °F

Boiling Point/Range 80 °C / 176 °F @ 760 mmHg

Flash Point -3 °C / 26.6 °F

Evaporation Rate No information available

Flammability (solid,gas) Not applicable

Flammability or explosive limits

Upper 25%

Lower 2.8%

Vapor Pressure No information available

Vapor Density No information available

Specific Gravity 0.956

Solubility No information available

Partition coefficient; n-octanol/water No data available

Autoignition Temperature 463 °C / 865.4 °F

Decomposition Temperature No information available

Viscosity Dynamic 0.50 mPa.s at 20 °C

Molecular Formula C4 H6 O2

Molecular Weight 86.09

Section 10 - Stability and Reactivity

Reactive Hazard None known, based on information available

Stability Light sensitive. Hazardous polymerization does not occur. Hazardous polymerizationmayoccur upon depletion of inhibitor.

Conditions to Avoid Keep away from open flames, hot surfaces and sources of ignition. Excess heat. Exposureto light. Incompatible products

Incompatible Materials Acids, Bases, Peroxides

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO2)

Hazardous Polymerization Hazardous polymerization may occur upon depletion of inhibitor.

Hazardous Reactions None under normal processing.

Section 11 - Toxicological Information

Irritation Irritating to eyes, respiratory system and skin

Sensitization May cause sensitization by skin contact

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available

STOT - single exposure Respiratory system

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects,both acute and delayed Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting: Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chestpain, muscle pain or flushing

Endocrine Disruptor Information No information available

Endocrine Disruptor Information No information available

Section 12 - Ecological Information

Ecotoxicity The product contains following substances which are hazardous for the environment. Contains a substance which is:. Toxictoaquatic organisms.

Persistence and Degradability Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation No information available

Mobility Will likely be mobile in the environment due to its volatility

Section 13 - Disposal Considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Chemical waste generators must also consult local, regional, andnational hazardous waste regulations to ensure complete and accurate classification.

Section 14 - Transport Information

DOT

UN-No UN1919

Proper Shipping Name METHYL ACRYLATE, STABILIZED

Hazard Class 3

Packing Group II

TDG UN-No UN1919

Proper Shipping Name METHYL ACRYLATE, STABILIZED

Hazard Class 3

Packing Group II

IATA

UN-No UN1919

Proper Shipping Name METHYL ACRYLATE, STABILIZED

Hazard Class 3

Packing Group II

IMDG/IMO

UN-No UN1919

Proper Shipping Name METHYL ACRYLATE, STABILIZED

Hazard Class 3

Packing Group II

Section 15 - Regulatory Information

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X – Listed

'-' - Not Listed

TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT) Not applicable

TSCA 12(b) - Notices of Export Not applicable

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA - Occupational Safety and Health Administration Not applicable

CERCLA Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ): N

DOT Marine Pollutant N

DOT Severe Marine Pollutant N

U.S. Department of Homeland Security This product does not contain any DHS chemicals