

Issue Date 09-Mar-2023

Revision Date 27-Apr-2023

Version 2

1. IDENTIFICATION

Product identifier

Product Name QUANTUM 157

Other means of identification

Product Code MS-157

UN/ID no. None

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Adhesives.

Uses advised against None known

Details of the supplier of the safety data sheet

Manufacturer Address

Heron Manufacturing Inc.
121 Tech Drive
Sanford, FL 32771
800-527-0004

Emergency telephone number

Company Phone Number 407-322-4000

Emergency Telephone Chemtel 800-255-3924

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|--|------------|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable liquids | Category 4 |

Label elements

Emergency Overview

Warning

Hazard statements

Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
Combustible liquid



Appearance Colorless **Physical state** Liquid **Odor** Sharp

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 Keep cool

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician if you feel unwell
 In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Will bond to skin

Other Information

May be harmful in contact with skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

| Chemical Name | CAS No. | Weight-% | Trade Secret |
|---------------------|-----------|----------|--------------|
| ETHYL CYANOACRYLATE | 7085-85-0 | 60 - 100 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact No attempt should be made to remove material from skin or to remove contaminated clothing, as bonded skin can be easily torn. Wash with large volumes of soap and water while flexing bonded skin parts. This procedure will slowly release bonded areas. DO NOT

attempt to pull skin apart forcibly.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray (fog). Dry chemical. Foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media Water jet.

Specific hazards arising from the chemical

Hazardous combustion products Trace amounts of toxic fumes may be released on incineration; fumes of carbon dioxide, carbon monoxide, and nitrogen oxides.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions See section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Flood with water to complete polymerization and scrape off the floor. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Ensure adequate ventilation, especially in confined areas.

Conditions for safe storage, including any incompatibilities

| | |
|-------------------------------|---|
| Storage Conditions | Keep at temperatures between 46°F and 82°F (8°C and 28°C). Refrigerated storage is recommended. Store in a cool and dry place. Keep away from direct sunlight. Keep container closed tight when not used. |
| Incompatible materials | Water. Alcohols. Amines. Alkali. Strong oxidizing agents. Strong acids. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

| | |
|--|--------------------------|
| Exposure Guidelines | No Information Available |
| <u>Appropriate engineering controls</u> | |

| | |
|-----------------------------|---|
| Engineering Controls | Showers Eyewash stations Ventilation systems. |
|-----------------------------|---|

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------------|---|
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Skin and body protection | Wear protective gloves and protective clothing. Do not use gloves made of natural rubber or PVC. |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| General Hygiene Considerations | Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | | | |
|-----------------------|--------------|-----------------------|--------------------------|
| Physical state | Liquid | Odor | Sharp, irritating |
| Appearance | Clear Liquid | Odor threshold | No Information available |
| Color | Colorless | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---------------------------------------|--------------------------------------|--------------------------------|
| pH | No Information available | Does not apply |
| Melting point / freezing point | -31 °C -23.8 °F | |
| Boiling point / boiling range | > 214 °C / 417 °F | |
| Flash point | > 82.5 °C / 180.5 °F | |
| Evaporation rate | No Information available | |
| Flammability (solid, gas) | No Information available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | No Information available | |
| Lower flammability limit: | No Information available | |
| Vapor pressure | <5 mmHg @75°F | |
| Vapor density | No Information available | |
| Relative density | 1.043 | |
| Water solubility | Polymerizes in the presence of water | |
| Solubility in other solvents | No Information available | |
| Partition coefficient | No Information available | |
| Autoignition temperature | No Information available | |
| Decomposition temperature | No Information available | |
| Kinematic viscosity | No Information available | |

| | |
|-----------------------------|--------------------------|
| Dynamic viscosity | No Information available |
| Explosive properties | No Information available |
| Oxidizing properties | No Information available |

Other Information

| | |
|-------------------------|--|
| Softening point | No Information available |
| Molecular weight | No Information available |
| VOC Content (%) | <20g/L Calif SCAQMD Mtd 316B estimated |
| Density | No Information available |
| Bulk density | No Information available |

10. STABILITY AND REACTIVITY

Reactivity

No Information Available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

| | |
|---------------------------------|-------------------------------------|
| Hazardous polymerization | Hazardous polymerization may occur. |
|---------------------------------|-------------------------------------|

Conditions to avoid

Incompatible materials.

Incompatible materials

Water. Alcohols. Amines. Alkali. Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

| | |
|---------------------|---|
| Inhalation | No information available with provided data |
| Eye contact | No information available with provided data |
| Skin contact | No information available with provided data |
| Ingestion | No information available with provided data |

Information on toxicological effects**Symptoms****Delayed and immediate effects as well as chronic effects from short and long-term exposure**

| | |
|-------------------------------|--------------------------|
| Sensitization | No Information available |
| Germ cell mutagenicity | No Information available |
| Carcinogenicity | No Information available |
| Reproductive toxicity | No Information available |

| | |
|--------------------------|--------------------------|
| STOT - single exposure | No Information available |
| STOT - repeated exposure | No Information available |
| Aspiration hazard | No Information available |

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|-----------------|---------------------|
| ATEmix (oral) | 5,561.10 mg/kg |
| ATEmix (dermal) | 2,224.40 mg/kg mg/l |

12. ECOLOGICAL INFORMATION

Ecotoxicity**Persistence and degradability**

No Information available

Bioaccumulation

No Information available

Other adverse effects

No Information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-------------------------------|---|
| Disposal of wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated packaging | Do not reuse container. |

14. TRANSPORT INFORMATION

DOT

| | |
|-----------------------------|---|
| UN/ID no. | NA 1993 |
| Proper shipping name | Combustible Liquid, n.o.s. (cyanoacrylate esters) |
| Hazard Class | Combustible Liquid |
| Packing Group | III |
| Special Provisions | Non-bulk packaging containing less than 450L is unregulated for domestic ground transport and may be shipped without restriction. 49 CFR 173.150(f) |

IATA/CAO

| | |
|-----------------------------|--|
| UN/ID no. | UN 3334 |
| Proper shipping name | Aviation regulated liquid, n.o.s. (cyanoacrylate esters) |
| Hazard Class | 9 |
| Packing Group | III |
| Special Provisions | Packaging <500ml do not exhibit the properties of aviation regulated liquids and may be shipped without restriction. |

IMDG

| | |
|-----------------------------|---------------|
| | Not regulated |
| UN/ID no. | None |
| Proper shipping name | Not regulated |

| | |
|---------------------------|------|
| Hazard Class | None |
| Packing Group | None |
| Special Provisions | None |

15. REGULATORY INFORMATION

International Inventories

| | |
|----------------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

All ingredients are on the inventory or are exempt from listing.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|--|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|--------------------|------------------|----------------|--------------------|----------------------------------|
| <u>NFPA</u> | Health hazards 2 | Flammability 2 | Instability 0 | Physical and Chemical Properties |
| <u>HMIS</u> | Health hazards 2 | Flammability 2 | Physical hazards 1 | Personal protection |

Prepared By SDS coordinator
Issue Date 09-March-2023
Revision Date 27-April-2023

Revision Note

Diluent

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet