

ASI
Adhesive Systems, Inc.
SAFETY DATA SHEETS

1. PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT DESCRIPTION: TORQUE PS165, TORQUE PS192, TORQUE PS193

GENERAL USE: ADHESIVE USED FOR THREADLOCKING/THREAD SEALING

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Inhalation), Category 4
Skin Irritation, Category 2
Eye Irritation, Category 2
Target Organ Toxicity (Single exposure), Category 3

GHS LABEL ELEMENTS



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENT(S)

Prevention:

P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash skin and hands thoroughly after handling.
P362: Take off contaminated clothing and wash before reuse.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

Disposal:

7944L5O1: Dispose of in a manner consistent with federal, state, and local regulations.

HMIS RATING: HEALTH 2 FLAMMABILITY 1 PHYSICAL HAZARD 1 PERSONAL PROTECTION

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polyglycol dimethacrylate	25 - 50	
Polymeric plasticizer	20-40	
Cellulose Acetate Butyrate	< 10	9004-36-8
Silica, amorphous	< 10	67762-90-7
Polytetrafluoroethylene	< 10	9002-84-0
Saccharin	1 - 3	81-07-2
CUMENE HYDROPEROXIDE	1 – 2.75	80-15-9

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms reoccur. Wash clothing before reuse.

INGESTION: Do Not induce vomiting. Contact physician at once.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes serious eye irritation.

SKIN: Causes skin irritation. May cause sensitization by skin contact.

SKIN ABSORPTION: None known.

INGESTION: No data available on this product.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

ACUTE TOXICITY: Slightly irritating to eyes and respiratory tracts.

CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not Flammable

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.

EXPLOSION HAZARDS: Containers may rupture violently under fire temperatures. Cool containers with water if exposed to fire conditions.

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

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

FIRE EXPLOSION: No data available on this product.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, hydrogen fluoride, and carbonyl fluoride.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid and place in sealed container for disposal.

LARGE SPILL: Contain spill with dike to prevent entry into sewers. Absorb liquid and place in sealed container for disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

LAND SPILL: Prevent from entering into soil, ditches, sewers, waterways and/or ground water. See Section 12, Ecological Information.

AIR SPILL: No data available on this product.

SPECIAL PROTECTIVE EQUIPMENT: Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section).

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

HANDLING : Avoid contact with skin and eyes. Wash thoroughly after handling.

STORAGE: Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

STORAGE TEMPERATURE: Suggested storage conditions: Less than 77F/25C. Protect from freezing.

LOADING TEMPERATURE: No data available on this product.

LOADING/UNLOADING VISCOSITY: No data available on this product.

STORAGE PRESSURE: No data available on this product.

SPECIAL SENSITIVITY: None known.

ELECTROSTATIC ACCUMULATION HAZARD: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

<u>CHEMICAL</u>	<u>OSHA PEL</u>	<u>ACGIHTLV</u>
Polyglycol dimethacrylate	Not established	Not established
Polymeric plasticizer	Not established	Not established
Cellulose Acetate Butyrate	Not established	Not established
Silica, amorphous	6 mg/m ³	10 mg/m ³
Polytetrafluoroethylene	Not established	Not established
Saccharin	No established	Not established
Cumene hydroperoxide*	Not established	Not established
*(contains Cumene, CAS 98-82-8, <0.1%)	50 ppm	50 ppm

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: Vinyl or rubber gloves.

RESPIRATORY: If ventilation is not adequate, wear NIOSH approved respiratory protection.

PROTECTIVE CLOTHING: Wear protective clothing. Launder contaminated clothing before reuse.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Low odor.

ODOR THRESHOLD: Not Established

APPEARANCE: White paste.

COLOR: White.

pH: Not Applicable.

PERCENT VOLATILE: Not Established

FLASHPOINT AND METHOD: > 93°C (200°F) Pensky-Martens CC

FLAMMABLE LIMITS: Not Established

AUTOIGNITION TEMPERATURE: No data available on this product.

VAPOR PRESSURE: No data available on this product.

VAPOR DENSITY: No data available on this product.

BOILING POINT: No data available on this product.

FREEZING POINT: No data available on this product.

MELTING POINT: No data available on this product.

POUR POINT: No data available on this product.

THERMAL DECOMPOSITION: No data available on this product.

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: Not Established

SPECIFIC GRAVITY: 1.15

(VOC): 146.000 g/L

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

POLYMERIZATION: May occur upon depletion of inhibitor.

CONDITIONS TO AVOID: Avoid temperatures exceeding 100F/38C and avoid contact with metal powders, metal salts and amines.

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.

INCOMPATIBLE MATERIALS: Oxidizers, metal salts, heat, inert gases and amines.

11. TOXICOLOGICAL INFORMATION

ACUTE

<u>CHEMICAL</u>	<u>IARC</u>	<u>NTP</u>	<u>OS HA carcinogen</u>	<u>LD50oralrat</u>	<u>LC50 inhalation</u>	<u>LD50 dermal</u>	<u>HealthEffect/Target Organs</u>
Polyglycol dimethacrylate	No	No	No	No data	No data	No data	Irritant / eye, skin, respiratory
Polymeric plasticizer	No	No	No	No data	No data	No data	Irritant / eye, skin, respiratory
Cellulose Acetate Butyrate	No	No	No	No data	No data	No data	Irritant / eye, skin, respiratory
Silica, amorphous	No	No	No	No data	No data	No data	Irritant / respiratory
Polytetrafluoroethylene	No	No	No	No data	No data	No data	Irritant / eye, skin, respiratory
Saccharin	No	No	No	No data	No data	No data	Irritant / respiratory
Cumene hydroperoxide*	No	No	No	No data	No data	No data	Corrosive / skin, eyes Aspiration hazard
*(contains Cumene, CAS 98-82-8, <0.1%) – IARC = Group 2B							

EYE EFFECTS: Moderately irritating to eyes and skin.

SKIN EFFECTS: Irritating to skin. May cause allergic skin reaction with prolonged contact.

CHRONIC: No data available on this product.

CARCINOGENICITY

IARC: None known.

NTP: None known.

OSHA: None known.

IRRITATION: No data available on this product.

CORROSIVITY: No data available on this product.

SENSITIZATION: May cause sensitization by skin contact.

TERATOGENIC EFFECTS: No data available on this product.

MUTAGENICITY: No data available on this product.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Prevent product from entering drains or sewers in case of spill.

ECOTOXICOLOGICAL INFORMATION: No data available on this product.

BIOACCUMULATION/ACCUMULATION: No data available on this product.

Notes: No data available on this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not restricted

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not restricted

AIR (ICAO/IATA)

SHIPPING NAME: Not restricted

VESSEL (IMO/MDG)

SHIPPING NAME: Not restricted

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not restricted

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Section 313: Cumene hydroperoxide (CAS 80-15-9), less than 3%.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Saccharin	1 - 3	81-07-2
CUMENE HYDROPEROXIDE	1 - 2.75	80-15-9

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Saccharin	1 - 3	100
CUMENE HYDROPEROXIDE	1 - 2.75	10

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Cellulose Acetate Butyrate	9004-36-8
Silica, amorphous	67762-90-7
Polytetrafluoroethylene	9002-84-0
Saccharin	81-07-2
CUMENE HYDROPEROXIDE	80-15-9

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TSCA STATUS: All components are listed or exempt from listing on the Toxic Substances Control Act.

CALIFORNIA PROPOSITION 65: WARNING: This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Cumene hydroperoxide (CAS 80-15-9) which contains Cumene (CAS 98-82-8), at a level of <0.1%.

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

IRRITANT

WHMIS CLASS: D2B - Toxic (Irritant)

16. OTHER INFORMATION

Revised May 2015

NON-WARRANTY: Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. Adhesive Systems shall not be liable for any injury, loss, or damage in the use of its chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State, and Local laws and regulations.

Engineering Excellence

For technical information
and support call **1-800-552-0299** or visit our website at

www.instantca.com

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