877.772.9629
WWW.SPRAYEZ.COM
Spray Equipment and Coatings

SAFETY DATA SHEET

SprayEZ 1.7LB

Revised June 17, 2015

1. IDENTIFICATION

Product Identifier used on label:
SprayEZ 1.7 lb ISO A-COMPONENT

Details of supplier of the Safety Data Sheet
Company:
Spray Equipment and Coatings
850709 US HWY 17
Yulee, Fl 32097
877-772-9629

Emergency telephone number
CHEMTREC: 800-424-9300

2. HAZARDS IDENTIFICATION

Classification of the product

Acute Tox.	4 (Inhalation – mist)	Acute Toxicity
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Skin Corr./Irrit.	2	Skin corrosion/irritation
Skin Sens.	1B	Skin sensitization
Carc.	2	Carcinogenicity
STOT SE	3	Specific target organ toxicity – single exposure
STOT RE	2	Specific target organ toxicity – repeated exposure

Label Elements

Pictogram:

Signal Words
Danger

Hazard Statements

H318	Causes serious eye damage
H315	Causes skin irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure

Precautionary Statements (Prevention)

P280	Wear protective gloves and clothing with eye and face protection
P271	Use only outdoors or in a well-ventilated area
P260	Do not breathe dust/gas/mist/vapors
P201	Obtain special instructions before use
P261	Avoid breathing mist
P202	Do not handle until all safety precautions have been read and understood
P284	(In case of inadequate ventilation) wear respiratory protection
P272	Contaminated work clothing should not be allowed out of the workplace
P264	Wash with plenty of water and soap thoroughly after handling

Precautionary Statements (Response)

P312	Call a POISON CENTER or doctor/physician if you feel unwell
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 person to fresh air and keep comfortable for breathing
P308 + P311	If exposed or concerned: Call a POISON CENTER or doctor/physician
P314	Get medical advice/attention if you feel unwell
P303 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water
P333 + P311	If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician
P362 + P364	Take off contaminated clothing and wash before reuse
P332 + P313	If skin irritation occurs: Get medical advice/attention
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician

Precautionary Statements (Storage)

P403 +P233	Store in a well-ventilated place. Keep container tightly closed
P405	Store locked up

Precautionary Statements (Disposal)

P501	Dispose of contents/container to hazardous or special waste collection point

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered

Emergency Overview

WARNING:
CONTAINS ISOCYANATES. INHALATION OF ISOCYANATE MISTS OR VAPORS MAY CAUSE RESPIRATORY IRRITATION, BREATHLESSNESS, CHEST DISCOMFORT AND REDUCED PULMONARY FUNCTION. OVEREXPOSURE WELL ABOVE THE PEL MAY RESULT IN BRONCHITIS, BRONCHIAL SPASMS AND PULMONARY EDEMA. LONG-TERM EXPOSURE TO ISOCYNANATES HAS BEEN REPORTED TO CAUSE LUNG DAMAGE, INCLUDING REDUCED LUNG FUNCTION WHICH MAY BE PERMANENT. ACUTE OR CHRONIC OVEREXPOSURE TO ISOCYANATES MAY CAUSE SENSITIZATION IN SOME INDIVIDUALS, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. ANIMAL TESTS INDICATE THAT SKIN CONTACT MAY PLAY A ROLE IN CAUSING RESPIRATORY SENSITIZATION. AVOID CONTACT WITH SKIN AND EYES. SKIN OR EYE CONTACT MAY CAUSE IRRITATION.

3. COMPOSITION /INFORMATION ON INGREDIENTS

Component	%	CAS#
Diphenylmethane Diisocynate	30-70	26447-40-5
Polymethylene Polypenylene Isocyanate	30-70	9016-87-9

4. FIRST AID

Description of first aid measures

General advice:
Remove contaminated clothing.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:
Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.
If in eyes: In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Eye irritation, skin irritation, allergic symptoms Information on: Gamma-butyrolactone Symptoms: Overexposure may cause:, weakness, chest discomfort, anxiety, nausea, diarrhea, headache

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Hazards: Symptoms can appear later. Information on: Diphenylmethane-4,4'-diisocyanate (MDI) Hazards: Respiratory sensitization may result in allergic (asthma-like) signs in the lower respiratory tract including wheezing, shortness of breath and difficulty breathing, the onset of which may be delayed. Repeated inhalation of high concentrations may cause lung damage, including reduced lung function, which may be permanent. Substances eliciting lower respiratory tract irritation may worsen the asthma-like reactions that may be produced by product exposures.

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Indication of any immediate medical attention and special treatment neededNote to physician

Antidote:	Specific antidotes or neutralizers to isocyanates do not exist
Treatment:	Treatment should be supportive and based on the judgement of the physician in response to the reaction of the patient

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media: water spray, dry powder, carbon dioxide, foam

Special hazards arising from the substance or mixture

Hazards during fire-fighting: nitrous gases, fumes/smoke, isocyanate, vapor

Advice for fire-fighters

Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-

out gear.

Further information

Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Absorb isocyanate with suitable absorbent material (see § 40 CFR, sections 260, 264 and 265 for further information). Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area (outside). Spill area can be decontaminated with the following recommended decontamination solution: Mixture of 90 % water, 8 % concentrated ammonia, 2 % detergent. Add at a 10 to 1 ratio. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide.
For large amounts: If temporary control of isocyanate vapor is required, a blanket of protein foam or other suitable foam (available from most fire departments) may be placed over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal.
For residues: The following measures should be taken for final cleanup: Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes. Dike spillage.

7. HANDLING AND STORAGE

Precautions for safe handling

Provide suitable exhaust ventilation at the processing machines. Ensure thorough ventilation of stores and work areas. Avoid aerosol formation. When handling heated product, vapors of the product should be ventilated, and respiratory protection used. Wear respiratory protection when spraying. Danger of bursting when sealed gastight. Protect against moisture. If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

Protection against fire and explosion:

No explosion proofing necessary.

Conditions for safe storage, including any incompatibilities

Keep away from water. Segregate from foods and animal feeds. Segregate from acids and bases. Segregate from bases.

Suitable materials for containers: Carbon steel (Iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2)

Further information on storage conditions: Formation of CO2 and build up of pressure possible. Keep container tightly closed and in a well-ventilated place. Outage of containers should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture.

Storage stability: Storage temperature: 16 - 27 °C

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Components with occupational exposure limits Diphenylmethane-4,4'- diisocyanate (MDI)

OSHA PEL	CLV 0.02 ppm 0.2 mg/m3 ; CLV 0.02 ppm 0.2 mg/m3
ACGIH TLV	TWA value 0.005 ppm

Advice on system design:
Provide local exhaust ventilation to maintain recommended P.E.L.

Personal protective equipment

Respiratory protection:
When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place. For emergency or non-routine, high exposure situations, including confined space entry, use a NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Hand protection:
Chemical resistant protective gloves should be worn to prevent all skin contact. Suitable materials may include, chloroprene rubber (Neoprene), nitrile rubber (Buna N), chlorinated polyethylene, polyvinylchloride (Pylox), butyl rubber, depending upon conditions of use.

Eye protection:
Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:
Cover as much of the exposed skin as possible to prevent all skin contact. Suitable materials may include, saran-coated material, depending upon conditions of use.

General safety and hygiene measures:
Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Observe the appropriate PEL or TLV value. Wash soiled clothing immediately. Contaminated equipment or clothing should be cleaned after each use or disposed of.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Odor:	Earthy, Musty Odor
Odor Threshold:	N/A
Color:	Dark Brown
pH Value:	N/A
Freezing Point:	-13 degrees C
Boiling Point:	>204 degrees C (decomposes)
Flash Point:	>230 degrees C
Flammability:	Not flammable
Autoignition:	>470 degrees C
Vapor Pressure:	0.00001 mmHg
Density:	9.4 lbs./gal.
Relative Density:	1.25 @ 25 degrees C
Vapor Density:	N/A
Self-Ignition Temperature:	This product is not classified as self-igniting
Thermal Deomposition:	No decomposition if handled and stored as prescribed/
indicated.Viscosity, dynamic:	200 +/- 50 mPa.s
Solubility in water:	Reacts with water
Miscibility with water:	Reacts with water

10. STABILITY AND REACTIVITY

Reactivity

Corrosion to metals:
No corrosive effect on metal.

Oxidizing

properties:Not an
oxidizer.

Chemical stability
The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions
Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols. Reacts with acids. Reacts with alkalis. Reacts with amines. Risk of exothermic reaction. Risk of polymerization. Contact with certain rubbers and plastics can cause brittleness of the substance/product with subsequent loss in strength.

Conditions to avoid
Avoid moisture.

Incompatible materials
Acids, amines, alcohols, water, Alkaline, strong bases, Substances/products that react with isocyanates.

Hazardous decomposition products
Decomposition products:
Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapors

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION

Oral
Information on: Diphenylmethane-4,4'-diisocyanate (MDI)
Type of value: LD50
Species: rat (male/female)
Value: > 2,200 mg/kg (Directive 84/449/EEC, B.1)

Inhalation
Type of value: LC50 Inhalation (4 hrs.)
Species: rat (male/female)
Value: 370 Aerosol

Dermal
Information on: Diphenylmethane-4,4'-diisocyanate (MDI)
Type of value: LD50
Species: rabbit (male/
female)Value: > 10,000 mg/
kg

Other Toxicity Data:
Irritation
Inhalation: Polymeric MDI has an extremely low vapor pressure and is difficult to achieve vapor concentrations necessary for inhalation toxicity testing. The desired vapor concentrations can only be obtained by heating the Polymeric MDI source. The vapor evolved readily and condenses to an aerosol in the inhalation exposure chambers. Therefore, it is likely that an aerosol rather than a vapor is present. Symptoms of severe irritation and deaths occurred at 13.6 mg/m3. Less severe irritation and no deaths occurred at 4.9 mg/m3. There were no visible effects at 2.2 mg/m3.
Eyes: Commercial Polymeric MDI caused eye irritation in rabbits, which cleared after 24 hours.
Skin: Application of single doses of 2.5, 3.9, 6.0 and 9.4 mg/kg Polymeric MDI to abraded skin of rabbits, under a cover for 24 hours, caused only minor, local reversible skin changes.

Corrosivity
Not available

Sensitization
May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Isocyanates are known to cause skin and respiratory sensitization in humans. Animal tests have indicated that respiratory sensitization can result from skin contact with diisocyanate.

Carcinogenicity
This preparation does not contain any component that is considered a human carcinogen by IARC (international Agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists), OSHA, or NTP (National Toxicology Program).

12. ECOLOGICAL INFORMATION

Toxicity to fish
LC50 (96 h) > 1,000 mg/l, Zebra Fish

Aquatic invertebrates
EC50 (24 h) > 1,000 mg/l, Daphnia magna

Aquatic plants
EC50 (72 h) 1,640 mg/l (growth rate), Scenedesmus subspicatus

Persistence and degradability
Assessment biodegradation and elimination (H2O)
Poorly biodegradable. The product is unstable in water. The elimination data also refer to products of hydrolysis.

Assessment of stability in water
In contact with water the substance will hydrolyse slowly.

Information on Stability in Water (Hydrolysis)t1/2
20 h (25 °C)

Bioaccumulative potential
Not Available

Mobility in soil
Not Available

13. DISPOSAL CONSIDERATION (INCLUDING CONTAINER)

Waste disposal of substance:
Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:
DRUMS:
Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers.

14. TRANSPORT AND INFORMATION

Land Transport
US DOT

Not classified as a dangerous good under transport regulations

Sea Transport

IMDG
Not classified as a dangerous good under transport regulations

Air Transport

IATA/ICAO
Not classified as a dangerous good under transport regulations

Further Regulations

DOT: This product is regulated if the amount in a single receptacle exceeds the Reportable Quantity (RQ). Please refer to Section 15 of this SDS for the RQ for this product.

15. REGULATORY INFORMATION:

USA

TSCA Status: All component substances of this mixture are listed on the TSCA Inventory.SARA
Title III: Sec. 313 MDI 1% de minimis, CERCLA RQ MDI 5,000 lbs.
California Prop. 65: The component substances are not listed

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification: D1A Immediate and serious toxic effects, D2A Material causing other toxic effects
NSNR Status: All substances in this preparation are listed on the DSL.
NPRI Substances: Polymethylene Polyphenylene Isocyanate and MDI are NPRI reportable substances (Part 1, Group 1)

EU

European Inventories: All substances in this preparation are listed in EINECS. All component substances are pre-registered substances under REACH.

Other International Inventories

Australia: All component substances are present on the Inventory of Chemical Substances (AICS)

China: All component substances are present on the Chemical Inventory
Japan: All component substances are present on the Inventory – Existing and Evaluated Chemical Substances. Polymeric MDI 7-872; MDI KE-23829.

Korea: All component substances are present on the Inventory – Existing and Evaluated Chemical Substances. Polymeric MDI KI-21487; MDI KE-23829.

New Zealand: All component substances are present on the Chemical Inventory

Philippines: All component substances are present on the Inventory of Chemicals and Chemical Substances (PICCS).

NFPA Hazard Codes:

Health: 2 Fire: 1 Reactivity: 1 Special: N/A

HMIS III Rating:

Health: 2 Flammability: 1 Physical Hazard: 1

16. OTHER INFORMATION

SDS Prepared by:

Spray Equipment and Coatings
850709 US HWY 17

Yulee, Fl 32097
877-772-9629

SDS Prepared on: 06/17/2015

Disclaimer/Statement of Liability:

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