



Safety Data Sheet

Revision Number: 02.0

Issue date: 03/23/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Maxi-Cure™	IDH number:	111-114
Product type:	Cyanoacrylate	Item number:	111-114
Restriction of Use:	None identified	Region:	United States
Company address:	Contact information:		
Bob Smith Industries, Inc.	Telephone: (805) 466-1717		
8060 Morro Road	MEDICAL EMERGENCY Phone: Poison Control Center		
Atascadero, CA 93422	1-877-671-4608 (toll free) or 1-303-592-1711		
	TRANSPORT EMERGENCY Phone: CHEMTREC		
	1-800-424-9300 (toll free) or 1-703-527-3887		
	www.bsi-inc.com		

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: BONDS SKIN IN SECONDS.
COMBUSTIBLE LIQUID.
CAUSES EYE IRRITATION.
MAY CAUSE RESPIRATORY AND SKIN IRRITATION.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	4
EYE IRRITATION	2A
SKIN IRRITATION	2

PICTOGRAM(S)



Precautionary Statements

Prevention:	Keep away from heat, sparks, open flames. No smoking. Avoid breathing vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, eye protection and face protection.
Response:	IF ON SKIN: Wash with soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If eye irritation persists: Get medical attention. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
Storage:	Store in a well-ventilated place. Keep container tightly closed. Keep in a cool and dry area. Store locked up.
Disposal:	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

H-2, R-1

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Ethyl 2-cyanoacrylate	7085-85-0	89 - 93
Methyl methacrylate polymer	9011-14-7	7 - 11

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Do not pull bonded skin apart. Soak in warm soapy water. Gently peel apart using a blunt instrument. If skin is burned due to the rapid generation of heat by a large drop, seek medical attention. If lips are bonded, apply warm water to the lips and encourage wetting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips apart with direct opposing force.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. Get medical attention. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad. Do not force eye open. Cyanoacrylate will bond to eye protein and will cause a lachrymatory effect which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped behind the eyelid caused abrasive damage.
Ingestion:	Ensure breathing passages are not obstructed. The product will polymerize rapidly and bond to the mouth making it almost impossible to swallow. Saliva will separate any solidified product in several hours. Prevent the patient from swallowing any separated mass.
Symptoms:	See Section 11.
Notes to physician:	Surgery is not necessary to separate accidentally bonded tissues. Experience has shown that bonded tissues are best treated by passive, non-surgical first aid. If rapid curing has caused thermal burns they should be treated symptomatically after adhesive is removed.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear a self-contained breathing apparatus with full face piece operated in pressure demand mode.
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Ventilate area. Do not allow product to enter sewer or waterways.
Clean-up methods:	Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

7. HANDLING AND STORAGE

Handling:	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Avoid contact with fabric or paper goods. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors, and cause thermal burns.
Storage:	For safe storage, store between 0 °C (32°F) and 10 °C (50°). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life contact BSI Customer Service at (800) 223-7699

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Ethyl 2-cyanoacrylate	0.2 ppm TWA	None	None	None
Methyl methacrylate polymer	None	None	None	None

Engineering controls:	Use positive down-draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Organic vapor cartridges are recommended.
Eye/face protection:	Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.
Skin protection:	Use nitrile gloves and aprons as necessary to prevent contact. Do not use PVC, nylon or cotton.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Colorless, Transparent
Odor:	Sharp, Irritating
Odor threshold:	1 - 2 ppm
pH:	Not applicable
Vapor pressure:	< 0.2 mm hg
Boiling point/range:	> 149 °C (> 300.2 °F)
Melting point/ range:	Not determined
Specific gravity:	1.05
Vapor density:	Approximately 3
Flash point:	80 - 93 °C (176°F - 199.4 °F) Tagliabue closed cup
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Auto-ignition temperature:	485 °C (905°F)
Evaporation rate:	Not applicable
Solubility in water:	Polymerizes in presence of water.
Partition coefficient (n-octanol/water):	Not applicable
VOC content:	< 2 %; < 20 g/l (California SCAQMD Method 316B) (Estimated)
Viscosity:	1800-2100 cps.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Hazardous reactions:	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
Hazardous decomposition products:	None
Incompatible materials:	Water, amines, alkalis and alcohols
Reactivity:	Not available.
Conditions to avoid:	Spontaneous polymerization.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation:	May cause respiratory tract irritation. Exposure to vapors above the established exposure limit results in respiratory irritation, which may lead to difficulty in breathing and tightness in the chest.
Skin contact:	May cause skin irritation. Bonds skin in seconds. May cause skin irritation. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare. Cyanoacrylates generate heat on solidification. In rare circumstances a large drop will burn the skin. Cured adhesive does not present a health hazard even if bonded to the skin.
Eye contact:	Irritating to eyes. Causes excessive tearing. Eyelids may bond.
Ingestion:	Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Ethyl 2-cyanoacrylate	None	Irritant, Allergen, Respiratory
Methyl methacrylate polymer	None	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethyl 2-cyanoacrylate	No	No	No
Methyl methacrylate polymer	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:	Follow all local, state, federal and provincial regulations for disposal.
Hazardous waste number:	Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Combustible liquid, n.o.s. (Cyanoacrylate ester)
Hazard class or division: Combustible Liquid
Identification number: NA 1993
Packing group: III

International Air Transportation (ICAO/IATA)

Proper shipping name: Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)
Hazard class or division: 9
Identification number: UN 3334
Packing group: III

Exceptions:

Primary packs containing less than 500ml are unregulated by these modes of transport and may be shipped unrestricted.

Water Transportation (IMO/MDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: None above reporting de minimis.
CERCLA/SARA Section 302 EHS: None above reporting de minimis.
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health, Fire, Reactive
CERCLA/SARA Section 313: None above reporting de minimis.
California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status: Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.

16. OTHER INFORMATION

REACH & RoHS2.0 Compliant

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, BSI does not assume responsibility for any results obtained by persons over whose methods BSI has no control. It is the user's responsibility to determine the suitability of BSI's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any BSI's products. In light of the foregoing, BSI specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of BSI's products. BSI further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

Safety Data Sheet

Revision Number: 02.0

Issue date: 05/15/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Insta-Set™	IDH number:	151-152
Product type:	Cyanoacrylate Accelerator	Item number:	151-152
Restriction of Use:	None identified	Region:	United States
Company address:	Contact information:		
Bob Smith Industries, Inc.	Telephone: (805) 466-1717		
8060 Morro Road	MEDICAL EMERGENCY Phone: Poison Control Center		
Atascadero, CA 93422	1-877-671-4608 (toll free) or 1-303-592-1711		
	TRANSPORT EMERGENCY Phone: CHEMTREC		
	1-800-424-9300 (toll free) or 1-703-527-3887		
	www.bsi-inc.com		

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: COMBUSTIBLE LIQUID.

HAZARD CLASS

HAZARD CATEGORY

FLAMMABLE LIQUID	3
ASPIRATION TOXICANT	1

PICTOGRAM(S)



Precautionary Statements

Prevention:	Keep away from heat, sparks, open flames. No smoking. Avoid breathing vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, eye protection and face protection.
Response:	IF ON SKIN: Wash with soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse with water for several minutes. If eye irritation persists: Get medical attention. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
Storage:	IF INGESTED: Do not induce vomiting. Store in a well-ventilated place. Keep container tightly closed. Keep in a cool and dark area.
Disposal:	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

H-1, F-2, R-0

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Naphtha (Petroleum) Hydrotreated Heavy	64742-48-9	98 - 100
N,N Dimethyl-P-Toluidine	99-97-8	1 - 2

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If respirator irritation, dizziness, nausea or unconsciousness occurs, seek medical attention.
Skin contact:	Wash contact area with soap and water. Remove contaminated clothing. Launder contaminated clothing before use.
Eye contact:	Immediately flush thoroughly with water. If irritation occurs, get medical attention.
Ingestion:	Seek immediate medical attention. Do not induce vomiting.
Symptoms:	See Section 11.
Notes to physician:	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	In enclosed spaces, wear a self-contained breathing apparatus. Prevent runoff from entering streams, sewers or drinking water supply.
Unusual fire or explosion hazards:	Vapors are heavier than air
Hazardous combustion products:	Incomplete combustion products, Oxides of carbon, Smoke, Fume

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Ventilate area. Do not allow product to enter sewer or waterways.
Clean-up methods:	Absorb or cover with dry earth, sand or other non-combustible material. Use clean non-sparking tools to collect absorbed material. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

7. HANDLING AND STORAGE

Handling:	Prevent contact with eyes and avoid contact with skin. Avoid breathing vapor and mist. Wash thoroughly with soap and water after handling. Material can accumulate static charges.
Storage:	For safe storage, store between 0 °C (32°F) and 24°C (75°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life contact BSI Customer Service at (800) 223-7699

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Naphtha (Petroleum) Hydrotreated Heavy	100 ppm TWA	None	None	None
N,N Dimethyl-P-Toluidine	None	None	None	None

Engineering controls:	Use positive down-draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Organic vapor cartridges are recommended.
Eye/face protection:	Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.
Skin protection:	Use oil resistant gloves and aprons as necessary to prevent contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Colorless, Transparent
Odor:	Odorless
Odor threshold:	N/D
pH:	Not applicable
Vapor pressure:	1.17 mm hg (0.156 kPa)
Boiling point/range:	155 °C (311°F) - 179°C (354°F)
Melting point/ range:	Not determined
Specific gravity:	0.749
Vapor density:	Approximately 5
Flash point:	44°C (111°F) ASTM D-56
Flammable/Explosive limits - lower:	0.7
Flammable/Explosive limits - upper:	5.6
Auto-ignition temperature:	340 °C (644°F)
Evaporation rate:	0.29
Solubility in water:	Negligible
Partition coefficient (n-octanol/water):	Not determined
VOC content:	< 2 %; < 20 g/l (California SCAQMD Method 316B) (Estimated)
Viscosity:	1.49 cps..
Decomposition temperature:	Not determined

10. STABILITY AND REACTIVITY

Stability:	Material is stable under recommended storage conditions.
Hazardous reactions:	Hazardous polymerization will not occur.
Hazardous decomposition products:	Material does not decompose at ambient temperatures.
Incompatible materials:	Strong oxidizers
Reactivity:	Not available.
Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Ingestion, Eyes

Potential Health Effects/Symptoms

Inhalation: May cause respiratory tract irritation. Exposure to vapors above the established exposure limit results in respiratory irritation, which may cause headaches, dizziness, anesthesia and drowsiness. Is not a respiratory sensitizer.

Skin contact: May cause skin irritation. Prolonged skin contact may defat the skin resulting in possible irritation and dermatitis. Is not a skin sensitizer.

Eye contact: May cause mild, short lasting discomfort to eyes.

Ingestion: Minimally toxic.

Aspiration: Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Naphtha (Petroleum) Hydrotreated	None	Irritant
N,N Dimethyl-P-Toluidine	None	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Naphtha (Petroleum) Hydrotreated	No	No	No
N,N Dimethyl-P-Toluidine	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: May cause long-term adverse effects in the aquatic environment. Partitions rapidly to air. Is inherently biodegradable.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal. May be disposed by supervised incineration at very high temperatures.

Hazardous waste number: May be subject to RCRA regulations (40 CFR 261).

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Petroleum Distillates, N.O.S. (C10-C11)
Hazard class or division: Combustible Liquid 3
Identification number: 1268
Packing group: III

International Air Transportation (ICAO/IATA)

Proper shipping name: Petroleum Distillates, N.O.S
Hazard class or division: 3
Identification number: UN 1268
Packing group: III

Exceptions:

Primary packs containing less than 500ml are unregulated by these modes of transport and may be shipped unrestricted.

Water Transportation (IMO/IMDG)

Proper shipping name:	Petrol Distillates
Hazard class or division:	3
Identification number:	1268
Packing group:	III
Marine pollutant:	Yes

ERG 128, INDG EMS F-E, S-E

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	None above reporting de minimis.
CERCLA/SARA Section 302 EHS:	None above reporting de minimis.
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health, Fire
CERCLA/SARA Section 313:	None above reporting de minimis.
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status:	Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.
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16. OTHER INFORMATION

REACH & RoHS2.0 Compliant

Schedule B HS #29 3.69.0000

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, BSI does not assume responsibility for any results obtained by persons over whose methods BSI has no control. It is the user's responsibility to determine the suitability of BSI's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any BSI's products. In light of the foregoing, BSI specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of BSI's products. BSI further disclaims any liability for consequential or incidental damages of any kind, including lost profits.