



Factor II, Incorporated

P.O. Box 1339
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MATERIAL SAFETY DATA SHEET FX-302 CLONE Part A

In Case of Emergency Contact 928-537-8387 Factor II, Inc.

Factor II Technology urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to the use and understanding of the data contained in this MSDS.

To promote safe handling each customer or recipient should: (1) notify and furnish its employees, agents, contractors, customers, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) request its customers to notify their employees, customers and other users of the product of this information.

1. CHEMICAL PRODUCT

PRODUCT NAME: Clone
CHEMICAL NAME: Organopolysiloxane Mixture
CHEMICAL FAMILY: 2 Part RTV Silicone
FORMULA: Proprietary
CAS#: Mixture

2. HAZARDOUS INGREDIENTS

%	MATERIAL	CAS#
<60	Reinforced	N/A
<20	Organopolysiloxane	N/A
<20	Silica Fillers	N/A
	Mineral Fillers	

3. HEALTH HAZARD DATA & FIRST AID

PERSONAL PROTECTION RECOMMENDED: Wear protective goggles to prevent eye contact. Under recommended conditions of use, no other protection should be required.

SIGNS AND SYMPTOMS OF EXPOSURE: The primary route of exposure is eye contact. Direct eye contact can cause a transitory irritation but it is not injurious. This irritation may persist for up to 24 hours.

EFFECTS OF REPEATED OVEREXPOSURE:

No injury from silica, barium sulfate or calcium carbonate dust should occur during reasonable use. If use creates respirable particles, some respiratory system injury may occur. However, since the silica, in this product are compounded into the polymer matrix, they are not expected to present the same hazards as in the neat forms.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests



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that overexposure is unlikely to aggravate existing medical conditions.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION:
None currently known.

OTHER EFFECTS OF OVEREXPOSURE
None currently known.

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING: Get medical attention.

SKIN: Wash with soap and water.

INHALATION: Remove to fresh air; give oxygen or artificial respiration if not breathing. Get medical attention

EYES: Immediately flush eyes with water and continue washing for at least 15 minutes.
Obtain medical attention if discomfort persists.

OCCUPATIONAL EXPOSURE LIMITS: Because of the low health hazard, no exposure limits have been established.

Medical conditions usually aggravated by exposure: Pre-existing eye disorders

4. FIRE FIGHTING MEASURES

FLASH POINT (test method(s)): >190^oC

FLAMMABLE LIMITS IN AIR (by volume):

LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA:

Water Fox, Dry Chemical, Foam or CO2

SPECIAL FIRE FIGHTING PROCEDURES:

Use self-contained breathing apparatus when fighting fire. Full protective clothing, Use water spray to cool nearby containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None

5. ACCIDENTAL RELEASE MEASURES

Evacuate the hazard area of unprotected personnel.

Dike with soil or other absorbent materials to prevent spread of spill, mop or wipe up and place in appropriate containers and or place absorbent material on spill and transfer absorbed solvent to appropriate containers.

WASTE DISPOSAL METHOD: Dispose of in accordance with all Federal, State, and local regulations.



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OTHER PRECAUTIONS: Store in cool, dry place. Keep container closed and away from heat and flame. Do not lay container on its side.

6. PHYSICAL AND CHEMICAL PROPERTIES (based on typical material)

BOILING POINT: >260°C
SPECIFIC GRAVITY (H₂O=1): 1.25
FREEZING POINT: N/A
VAPOR PRESSURE: Essentially Non Volatile
VAPOR DENSITY (air=1): N/A
EVAPORATION RATE (Butyl Acetate=1): Nil
SOLUBILITY IN WATER (By wt): Nil
APPEARANCE: Violet
ODOR: Odorless
PHYSICAL STATE: Paste

Note: The above information is not intended for use in preparing product specifications.

7. STABILITY AND REACTIVITY DATA

STABILITY: Stable.
CONDITIONS TO AVOID: None
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:
Burning may liberate carbon monoxide, carbon dioxide, and silicone dioxide. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.
HAZARDOUS POLYMERIZATION: Will not occur.

8. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Complete information not yet available.
CHEMICAL FATE INFORMATION: Complete information not yet available.

9. TRANSPORT INFORMATION

I.A.T.A. HAZARD CLASSIFICATION: None (not regulated).

10. REGULATORY INFORMATION

STATUS ON SUBSTANCE LISTS:
The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations.

CHIP REGULATIONS

Chemicals (Hazards Information and Packaging) Regulations 1993 requires physico-chemical and health hazard determination of all substances and preparations manufactured, transported, stored, modified, or consumed within the EEC. Components present in this product at a level which could require reporting under the statute are:

****NONE ****



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FEDERAL EPA

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: *****NONE *****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40 CFR 355 (used for SARA 302, 304, 311, and 312). Components present in this product at a level which could require reporting under the statute are: ***** NONE *****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 302 - 309). This information must be included in all MSD S's that are copied and distributed for this material. Components present in this product at a level which could require reporting under this statute are: ***** NONE*****

INVENTORY STATUS

The ingredients of this product are listed on, or are exempt from listing on, the TSCA inventory.

11. OTHER INFORMATION

HMIS FORMAT:

Health: 0

Flammability: 0

Reactivity: 0

We believe that the information contained herein is current as of the date of this Material Safety Data Sheet, and is offered in good faith. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Factor II Technology, it is the user's obligation to determine the conditions of safe use of the product.



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MATERIAL SAFETY DATA SHEET FX-302 CLONE Part B

Factor II Technology urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to the use and understanding of the data contained in this MSDS.

To promote safe handling each customer or recipient should: (1) notify and furnish its employees, agents, contractors, customers, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) request its customers to notify their employees, customers and other users of the product of this information.

1. CHEMICAL PRODUCT

PRODUCT NAME: Clone
CHEMICAL NAME: Organopolysiloxane Mixture
CHEMICAL FAMILY: 2 Part RTV Silicone
FORMULA: Proprietary
CAS#: Mixture

2. HEALTH HAZARD DATA

PERSONAL PROTECTION RECOMMENDED: Wear Protective Goggles to prevent eye contact. Under recommended conditions no other protection should be required.

SIGNS AND SYMPTOMS OF EXPOSURE: The primary route of exposure is eye contact. Direct eye contact can cause a transitory irritation, but it is not injurious. This irritation may persist for up to 24 hours.

EFFECTS OF REPEATED OVEREXPOSURE:

No injury from silica dust should occur during reasonable use. If use creates respirable particles, some respiratory system injury may occur. However, since the silica, in this product are compounded into the polymer matrix, they are not expected to present the same hazards as in the neat forms.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION:

None currently known.

OTHER EFFECTS OF OVEREXPOSURE

None currently known.

3. FIRST AID MEASURES



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EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING: Get medical attention.

SKIN: Wash with soap and water.

INHALATION: Remove to fresh air, give oxygen or artificial respiration if not breathing. Get medical attention

EYES: Immediately flush eyes with water and continue washing for at least 15 minutes.
Obtain medical attention if discomfort persist.

OCCUPATIONAL EXPOSURE LIMITS: Because of the low health hazard, no exposure limits have been established.

Medical conditions usually aggravated by exposure: Pre-existing eye disorders

4. FIRE FIGHTING MEASURES

FLASH POINT (test method(s)): >190^oC

FLAMMABLE LIMITS IN AIR (by volume):

LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA:

Water Fox, Dry Chemical, Foam or CO2

SPECIAL FIRE FIGHTING PROCEDURES:

Use self-contained breathing apparatus when fighting fire. Full protective clothing, Use water spray to cool nearby containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None

5. ACCIDENTAL RELEASE MEASURES

Evacuate the hazard area of unprotected personnel.

Dike with soil or other absorbent materials to prevent spread of spill, mop or wipe up and place in appropriate containers and or place absorbent material on spill and transfer absorbed solvent to appropriate containers.

WASTE DISPOSAL METHOD: Dispose of in accordance with all Federal, State, and local regulations.

OTHER PRECAUTIONS: Store in cool, dry place. Keep container closed and away from heat and flame. Do not lay container on its side.

6. PHYSICAL AND CHEMICAL PROPERTIES (based on typical material)

BOILING POINT: >260°C

SPECIFIC GRAVITY (H₂O=1): 1.25

FREEZING POINT: N/A



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VAPOR PRESSURE: Essentially Non Volatile
VAPOR DENSITY (air=1): N/A
EVAPORATION RATE (Butyl Acetate=1): Nil
SOLUBILITY IN WATER (By wt): Nil
APPEARANCE: White
ODOR: Odorless
PHYSICAL STATE: Putty

Note: The above information is not intended for use in preparing product specifications.

7. STABILITY AND REACTIVITY DATA

STABILITY: Stable.
CONDITIONS TO AVOID: None
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:
Burning may liberate carbon monoxide, carbon dioxide, and silicone dioxide. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.
HAZARDOUS POLYMERIZATION: Will not occur.

8. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Complete information not yet available.
CHEMICAL FATE INFORMATION: Complete information not yet available.

9. TRANSPORT INFORMATION

I.A.T.A. HAZARD CLASSIFICATION: None (not regulated).

10. REGULATORY INFORMATION

STATUS ON SUBSTANCE LISTS:
The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations.

CHIP REGULATIONS

Chemicals (Hazards Information and Packaging) Regulations 1993 requires physico-chemical and health hazard determination of all substances and preparations manufactured, transported, stored, modified, or consumed within the EEC. Components present in this product at a level which could require reporting under the statute are:

****NONE ****

FEDERAL EPA

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: ****NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40 CFR 355

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INVENTORY STATUS

The ingredients of this product are listed on, or are exempt from listing on, the TSCA inventory.

11. OTHER INFORMATION

HMIS FORMAT:

Health: 0

Flammability: 0

Reactivity: 0

We believe that the information contained herein is current as of the date of this Material Safety Data Sheet, and is offered in good faith. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Factor II Technology, it is the user's obligation to determine the conditions of safe use of the product. Factor II Technology Regulatory Compliance Department