



Factor II, Incorporated

The Art, Science and Technology of
Silicones and Prosthetics...

Safety Data Sheet

Product Code: F-907

Revision Date: 02/01/2017

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name Model Surfactant

Product Code F-907

Intended Use(s) : For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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EMERGENCY TELEPHONE NUMBERS

928- 368-7502

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance or mixture

Eye Irrit.

2A H319 Causes serious eye irritation.

Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



Signal word

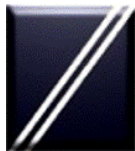
Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash thoroughly after handling.
P280 Wear eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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P337+P313 If eye irritation persists: Get medical advice/attention.



Other hazards

There are no other hazards not otherwise classified that have been identified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Mixtures

Components:		
57-55-6	propylene glycol	20-40%
9036-19-5	2-(2-[4-(1,1,3,3-Tetramethylbutyl)phenoxy]ethoxy)ethanol Eye Dam. 1, H318  Acute Tox. 4, H302 	10%

Additional information

For the wording of the listed Hazard Statements refer to section 16.

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General information

No special measures required.

After inhalation

Supply fresh air; consult doctor in case of complaints.

After skin contact

Immediately rinse with water.
If skin irritation is experienced, consult a doctor.

After eye contact

Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing

Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.

Most important symptoms and effects, both acute and delayed

Causes eye irritation.

Gastric or intestinal disorders when ingested.



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Danger No relevant information available.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents The product is not flammable.

Unsuitable extinguishing agents None.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

Protective equipment Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation.

Environmental precautions

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Handling

Precautions for safe handling

Prevent formation of aerosols.



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Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

Information about protection against explosions and fires

No special measures required.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles

Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility

Store away from foodstuffs.

Further information about storage conditions

Keep containers tightly sealed.

Specific end use(s)

No relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Components with limit values that require monitoring at the workplace:

57-55-6 propylene glycol

WEEL (USA)	Long-term value: 10 mg/m ³
EV (Canada)	Long-term value: 155* 10** mg/m ³ , 50* ppm *vapour and aerosol;**aerosol only

Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Engineering controls

Provide adequate ventilation.

Breathing equipment

Not required under normal conditions of use.

Use suitable respiratory protective device when high concentrations are present.

Protection of hands: Protective gloves



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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Nitrile rubber, NBR
Neoprene gloves
Natural rubber, NR
Sensibilization by the components in the glove materials is possible.

Eye protection

Safety glasses



Follow relevant national guidelines concerning the use of protective eyewear.

Body protection

Light weight protective clothing

Limitation and supervision of exposure into the environment

No relevant information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Based on typical material)

Information on basic physical and chemical properties

Appearance

Form

Liquid

Color

Colorless

Odor

Odorless

Odor threshold

Not determined.

pH-value at 20 °C (68 °F)

7

Melting point/Melting range

Not determined.

Boiling point/Boiling range

>100 °C (>212 °F)

Flash point

Not applicable.

Flammability (solid, gaseous)

Not applicable.

Auto-ignition temperature

Not determined.

Decomposition temperature:

Not determined.

Danger of explosion

Product does not present an explosion hazard.

Explosion limits



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Lower	Not determined.
Upper	Not determined.
Oxidizing properties	Not determined.
Vapor pressure	Not determined.
Density at 20 °C (68 °F)	1.03 g/cm ³ (8.595 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with Water	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water)	Not determined.
Viscosity	
Dynamic	Not determined.
Kinematic	Not determined.
Other information	No relevant information available.

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity	No relevant information available.
Chemical stability	Stable under normal temperatures and pressures.
Thermal decomposition / conditions to be avoided	No decomposition if used and stored according to specifications.
Possibility of hazardous reactions	Reacts with strong acids and alkali. Reacts with strong oxidizing agents.
Conditions to avoid	No relevant information available.
Incompatible materials	No relevant information available.
Hazardous decomposition products	Possible in traces.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	LD/LC50 values that are relevant for classification: ATE (Acute Toxicity Estimates) Oral LD50 >5000 mg/kg
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Primary irritant effect:

On the skin	Based on available data, the classification criteria are not met.
On the eye	Based on available data, the classification criteria are not met.
Sensitization	Based on available data, the classification criteria are not met.



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IARC (International Agency for Research on Cancer)

None of the ingredients are listed.

NTP (National Toxicology Program)

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

Probable route(s) of exposure

Ingestion.
Inhalation.
Eye contact.
Skin contact.

Acute effects (acute toxicity, irritation and corrosivity)

Irritating to eyes.

Repeated dose toxicity

No relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity	
9036-19-5 2-(2-[4-(1,1,3,3-Tetramethylbutyl)phenoxy]ethoxy)ethanol	
EC50	4.8-8.9 mg/l (pimephales promelas) (static test, 96H)



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Persistence and degradability No relevant information available.

Bioaccumulative potential No relevant information available.

Mobility in soil No relevant information available.

Additional ecological information

General notes

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment cannot be excluded.

Results of PBT and vPvB assessment

PBT Not applicable.

vPvB Not applicable.

Other adverse effects No relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packagings

Recommendation

Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

UN-Number

DOT, ADR, IMDG, IATA Not regulated.

UN proper shipping name

DOT, ADR, IMDG, IATA Not regulated.

Transport hazard class(es)

DOT, ADR, IMDG, IATA Class Not regulated.



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Packing group

DOT, ADR, IMDG, IATA

Not regulated.

Environmental hazards

Not applicable.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INVORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

United States (USA)

SARA Section 302 (extremely hazardous substances)

None of the ingredients are listed.

SARA Section 355 (extremely hazardous substances)

None of the ingredients are listed.

SARA Section 313 (Specific toxic chemical listings)

None of the ingredients are listed.

TSCA (Toxic Substances Control Act)

All ingredients are listed.

Proposition 65 (California)

Chemicals known to cause cancer

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients are listed.

IARC (International Agency for Research on Cancer)

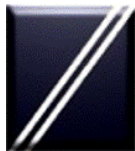
None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

Canadian Domestic Substances List (DSL)

All ingredients are listed.



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SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

LDLo: Lowest Lethal Dose Observed

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

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