

Safety Data Sheet

According to Regulation of the Minister of Industry of the
Republic of Indonesia No. 87/M-IND/PER/9/2009

Published date 01.01.2021

Version Number 01 - **CLEAR**

Product Name PRO-X 111

1. Identification of the Chemical (Single or Mixture)

Product Name: PRO-X 111

Article No. :-

Recommended use of the chemical and restriction on use:

Recommended Use : Bonding and sealing

Advised Against : At this moment in time we do not have information on use restrictions.
They will be included in this document when available.

Substance/mixture use: Construction chemicals

Details of the issuer of the safety data document

Manufacturer/Supplier's details

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2. Hazard Identification

GHS Classification

Eye Irrit. : Cate.2A

Skin Irrit. : Cate.2

Label Element

GHS Labelling

These products are classified and labeled according to the Globally Harmonized System (GHS).

Hazard Pictograms



Signal Word : Warning

Hazard determining components on labeling.

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Hazard Statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing//eye protection/face protection.

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3. Composition/Information on Ingredients

Chemical characterization: Mixture

Komponen	CAS-No.	Konsentrasi (Berat%)	Klasifikasi
Silicone rubber, methyl RT V 107	63148-60-7	≥30	Tidak Diklasifikasikan
Silicon dioxide	7631-86-9	<10	Tidak Diklasifikasikan
Poly (dimethyl siloxane)	63148-62-9	5~15	Tidak Diklasifikasikan
Methylsilanetriyl triacetate	4253-34-3	<3	Acute T ox. 4 H302; Skin Corr. 1C H314
White Mineral Oil	8042-47-5	≥30	Tidak Diklasifikasikan

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

4. First Aid Measures

Description of necessary first aid measures General advice:

Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

Inhalation:

Move victims into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

Skin Contact:

Take off contaminated clothing and shoes immediately.

Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

Eye Contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

Ingestion:

DO NOT induce vomiting.

Never give anything by mouth to an unconscious person.

Call a physician or Poison Control Center immediately.

Information for doctor

Most important symptoms and effects, both acute and delayed

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. May cause an allergic skin reaction, serious eye irritation, damages to organs through prolonged or repeated exposure.

Ingestion is likely to be harmful or have adverse effects.

Indication of the need for immediate medical attention and special treatment

No further related information

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5. Firefighting Measures

Extinguishing media

Suitable extinguishing media:

Use extinguishing agent suitable for type of surrounding fire.

Specific hazard arising from the substance of mixture:

Development of hazardous combustion gases or vapor is possible in the event of fire. May expansion or decompose explosively when heated or involved in fire.

Protective equipment: Wear self-contained mouth respirator protective device.

Advice for firefighters:

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Fight fire from a safe distance, with adequate cover.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Keep unprotected persons away.

Follow safe handling advice and personal protective equipment recommendation. Avoid contact with skin, eyes, and inhalation of vapors.

Remove all sources of ignition.

Use personal protection recommended in Section 8.

Environmental precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so.

Retain and dispose of contaminated wash water.

Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material.

For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.

Clean up remaining materials from spill with suitable absorbent.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are appl

Reference to other sections

See section 7, Section 8, Section 13, Section 15 for more information.

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7. Handling and Storage

Handling:
Precautions for safe handling

Handling is performed in a well-ventilated place. Wear suitable protective equipment.

Avoid contact with skin and eyes.

Keep away from heat/sparks/open flames/ hot surfaces.

Take care to prevent spills, waste and minimize release to the environment. Persons susceptible to allergic reactions should not handle this product.

Information regarding fire-and explosion protection

No special action required.

Precautions for storage

Keep containers tightly closed.

Keep containers in a dry, cool, and well-ventilated place. Keep away from heat/sparks/open flames/hot surfaces.

Store away from incompatible materials and foodstuff containers.

Materials to avoid

Strong oxidizing agents, Organic peroxides, Acids, Foodstuffs, Explosives, Hot, Heat.

Further information on storage conditions:

Maximum storage time: 18 months.

Specific end use No further relevant information available.

8. Exposure Controls/Personal Protection

Control Parameters
Occupational Exposure Limit Values

Komponen	CAS No	PC-TWA/ppm	PC-TWA/mg/m3	PC-STEL/ppm	PC-STEL/mg/m3	Negara/ Wilayah
Silicon dioxide	7631-86-9		10			South Korea
Silicon dioxide	7631-86-9		1			New Zealand
Silicon dioxide	7631-86-9		2			Australia
Silicon dioxide	7631-86-9		2		4	Denmark
Silicon dioxide	7631-86-9		4			Germany (AGS)
Silicon dioxide	7631-86-9		6			Ireland

Biological limit values

No data available.

Monitoring methods.

EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. GBZ/T 300.1~GBZ/T 300.160-2017; GBZ/T 300.161~GBZ/T 300.164-2018 Determination of toxic substances in workplace air (Series standard).

Engineering controls.

Ensure adequate ventilation, especially in confined areas.

Ensure that eyewash stations and safety showers are close to the workstation location.

Use explosion-proof electrical/ventilation/lighting/equipment.

Set up emergency exit and necessary risk-elimination area.

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Personal protection equipment



Respiratory protection

If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

Hand protection

Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.

Eye protection

Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).

Skin and body protect

Wear fire/flame resistant/retardant clothing and antistatic boots.

Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.

Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygienic measures

Ensure that eye flushing systems and safety showers are located close to the working place.

When using do not eat, drink, or smoke.

Wash contaminated clothing before reuse. Do not inhale gases / fumes / aerosols.

9. Physical and Chemical Properties

Appearance	: Paste
Odor	: Acetic
Odor threshold	: No information available
pH	: Not applicable
Melting point/Freezing point	: No information available
Initial boiling point and boiling range (°C)	: >35°C
Flash point (°C)	: ≥93°C (Closed cup)
Evaporation rate	: No information available
Flammability	: Not flammable
Upper explosive limits [% (v/v)]	: No information available
Lower explosive limits [% (v/v)]	: No information available
Vapor pressure	: No information available
Relative vapor density (Air=1)	: No information available
Relative density (Water=1)	: 0.85~1.05
Solubility (mg/L)	: Insoluble
n-octanol/water partition coefficient	: No information available
Dynamic viscosity	: No information available
Particle characteristics	: No information available
Explosive properties	: Nonexplosive
Oxidizing properties	: Non oxidizing

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10. Stability and Reactivity

Reactivity hazard

Not classified as a reactivity.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No information available.

Possibility of hazardous reactions

Incompatible materials, heat, flame, and spark.

Incompatible materials

No information available.

Hazardous decomposition Products

No date available.

11. Toxicological Information

Toxicity acute

Komponen	CAS-No.	LD50(oral)	LD50(dermal)	LC50(inhalation,4 h)
Methylsilanetriyl triacetate	4253-34-3	2060mg/kg (Mouse)	Tidak ada informasi Tersedia	Tidak ada informasi Tersedia

Carcinogenicity

Komponen	CAS-No.	IARC	NTP
Silicone rubber, methyl RTV 107	63148-60-7	Tidak Terdaftar	Tidak Terdaftar
Silicon dioxide	7631-86-9	Kategori 3	Tidak Terdaftar
Poly (dimethylsiloxane)	63148-62-9	Tidak Terdaftar	Tidak Terdaftar
Methylsilanetriyl triacetate	4253-34-3	Tidak Terdaftar	Tidak Terdaftar
White Mineral Oil	8042-47-5	Tidak Terdaftar	Tidak Terdaftar

Others

Skin corrosion/irritation : No further information available
 Serious eye damage/irritation : No further information available
 Skin sensitization : No further information available
 Respiratory sensitization : No further information available
 Reproductive toxicity : No further information available
 ST OT – single exposure : No further information available
 ST OT – Repeated exposure : No further information available
 Aspiration hazard : No further information available
 Germ cell mutagenicity : No further information available
 Reproductive toxicity (additional) : No further information available

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12. Ecological Information

Acute aquatic toxicity

No further relevant information is available.

Chronic Aquatic toxicity

No further relevant information is available.

Presistance and degradability

No further relevant information is available.

Bioaccumulative potential

No further relevant information is available.

Mobility in soil

Komponen	CAS-No.	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient
Silicon dioxide	7631-86-9	Low	23.74

Hasil penilaian PBT dan vPvB

Komponen	CAS-No.	Results of PBT and vPvB assessment (according to (EC) No 1907/2006)
Silicone rubber, methyl RTV 107	63148-60-7	not PBT/vPvB
Silicon dioxide	7631-86-9	not PBT/vPvB
Poly (dimethylsiloxane)	63148-62-9	not PBT/vPvB
Methylsilanetriyl triacetate	4253-34-3	not PBT/vPvB
White Mineral Oil	8042-47-5	not PBT/vPvB

13. Disposal Considerations

Disposal methods
Saran : Dispose of in accordance with national and local regulations.

Contaminated packaging
Saran : Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not pierce or burn, even after use.

14. Transport Information

UNRTG

UN No. : N/A

Class : N/A

Packaging group : N/A

Marine pollutant : N/A

Shipping Name : N/A

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Nama dagang: PRO-X 207

Marine Transport IMDG-Code

UN No. : N/A
Class : N/A
Packaging group : N/A
Marine Pollutant : N/A
Shipping Name : N/A

Road Transport ADR

UN No. : N/A
Class : N/A
Packaging group : N/A
Marine Pollutant : N/A
Shipping Name : N/A

Air Transport IATA-DGR

UN No. : N/A
Class : N/A
Packaging group : N/A
Marine Pollutant : N/A
Shipping Name : N/A

15. Regulatory Information

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

No further related information available.

GHS Labelling

These products are classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictogram



Signal word: Warning

Hazard determining components on labeling:

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Hazard description

H315 : Causes skin irritation.
H319 : Causes serious eye irritation.

Precautionary statement

P264 : Wash thoroughly after handling
P280 : Wear protective gloves/protective clothing/eye protection/face protection.

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Nama dagang: PRO-X 207**Response**

P302+P352	: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	: Specific treatment (see the instructions on this label).
P332+P313	: If skin irritation occurs: Get medical advice/attention.
P337+P313	: If eye irritation persists: Get medical advice/attention.
P362	: Take off contaminated clothing and wash before reuse.

16. Other Information

National Fire Protection Association (U.S.A)

Health	: 1
Flamability	: 1
Instability/Reactivity	: 1
Special	: N/A

Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>
- [2] IARC, website: <http://www.iarc.fr/>
- [3] OECD: The Global Portal to Information on Chemical Substances, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en
- [4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>
- [5] NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>
- [6] EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>
- [7] U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>
- [8] Germany GEST IS-database on hazard substance, website: <http://gestis-en.itrust.de/>
- [9] European Chemicals Agency, <http://echa.europa.eu/>

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Full text of other abbreviations

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road;
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;
IMO: International Maritime Organization.
ISHL: Industrial Safety and Health Law (Japan);
OSHA: United States Department of Labor: Occupational Safety and Health Administration.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail;
UNRT DG: United Nations Recommendations on the Transport of Dangerous Goods;

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MARPOL: International Convention for the Prevention of Pollution from Ships;
AICS: Australian Inventory of Chemical Substances.
ACGIH: American Conference of Governmental Industrial Hygienists; AIHA: American Industrial Hygiene Association;
O: International Organisation for Standardization.
AST M: American Society for the Testing of Materials.
KECI: Korea Existing Chemicals Inventory;
AT E: Acute toxicity estimate;
LC50: Lethal Concentration to 50 %;
CMR: Carcinogen, Mutagen or Reproductive Toxicant;
LD50: Lethal Dose to 50%(Median Lethal Dose); EC50: Effective Concentration 50%
DSL: Domestic Substances List (Canada);
IC50: Half maximal inhibitory concentration;
ECx: Concentration associated with x% response;
PICCS: Philippines Inventory of Chemicals and Chemical Substances;
ELx: Loading rate associated with x% response;
OECD: Organization for Economic Co-operation and Development; EmS: Emergency Schedule;
n.o.s.: Not Otherwise Specified;
ENCS: Existing and New Chemical Substances (Japan);
NO(A)EC: No Observed (Adverse) Effect Concentration;
ErCx: Concentration associated with x% growth rate response;
NO(A)EL: No Observed (Adverse) Effect Level;
GLP: Good Laboratory Practice;
NZIoC: New Zealand Inventory of Chemicals;
IARC: International Agency for Research on Cancer;
OPPT S: Office of Chemical Safety and Pollution Prevention;
IAT A: International Air Transport Association;
PBT : Persistent, Bioaccumulative and Toxic substance;
ICAO: International Civil Aviation Organization;
(Q)SAR: (Quantitative) Structure Activity Relationship;
IECSC: Inventory of Existing Chemical Substances in China;
SADT : Self-Accelerating Decomposition Temperature;
IMDG: International Maritime Dangerous Goods;
ST EL: Short Term Exposure Limit;
NFPA: National Fire Protection Association
T CSI: Taiwan Chemical Substance Inventory;
UN: United Nations;
T SCA: Toxic Substances Control Act (United States);
T WA: Time-Weighted-Average;
vPvB: Very Persistent and Very Bioaccumulative.
PC-T WA: Permissible concentration-Time Weighted Average
PC-ST EL: Permissible Concentration-Short Term Exposure Limit

Contact Information:

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The management system has been certified according to ISO 9001:2015, ISO 14001:2015, ISO 45001:2018