

SMP-12 SEALS SAFE PREMIUM METAL PROTECTOR

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	SMP-12 SEALS SAFE PREMIUM METAL PROTECTOR
Product Code	10-502561

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Auto
Uses Advised Against	

Company Identification	Plastic Process Equipment, Inc. 8303 Corporate Park Dr. Macedonia, Ohio 44056
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Telephone	800-321-0562
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Emergency telephone number	(1-800-262-8200 ID 1195 (UNITED STATES))
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Emergency Phone No.	
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Transportation Emergency:

(1-800-262-8200 ID 1195 (UNITED STATES))

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Flam. Aerosol 1; Liquefied gas; Skin Irrit. 2; Eye Irrit. 2; Repr. 2; STOT SE 3; STOT RE 2

Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard Statement(s)

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
May cause drowsiness or dizziness.
Causes skin irritation. Causes serious eye irritation.
Repeated exposure may cause skin dryness or cracking.
Suspected of damaging the unborn child.
May cause damage to organs through prolonged or repeated exposure: Inhalation - neuropsychological effects, auditory dysfunction and effects on colour vision.

Precautionary Statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Use only outdoors or in a well-ventilated area.
Do not breathe mist/vapours/spray.
Wear protective gloves/eye protection.

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Wash hands and exposed skin after use.

Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

Other hazards:

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Toluene	15-25	108-88-3	Flam. Liq. 2; H225 Repr. 2; H361 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Asp. Tox. 1; H304 STOT SE 3; H336 STOT RE 2; H373 Aquatic Acute 2; H401 Aquatic Chronic 3; H412
Mineral Oil	10-20	Mixture	Not classified as dangerous for supply/use.
(benzoate-O,O')hydroxyl(octadecanoato-O,O') aluminium	5-10	54326-11-3	Not classified as dangerous for supply/use.
Polybutene (Isobutylene/butene copolymer)	5-10	9003-29-6	Not classified as dangerous for supply/use.
Propane	15-25	74-98-6	Flam. Gas 1, H220 Press. Gas (*)
Butane	12-22	106-97-8	Flam. Gas 1, H220 Press. Gas (*)
Petrolatum	1-3	8009-03-8	Not classified as dangerous for supply/use.
Pigment	<0.2	Mixture	Flam. Liq. 4; H227 Asp. Tox. 1; H304 Eye Irrit. 2; H319 STOT SE 3; H336 Aquatic Chronic 2; H411

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.: **None**

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact

Wash affected skin with soap and water. If symptoms develop, obtain medical attention. Take off contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

Do not give anything by mouth to an unconscious person. Seek medical treatment. Do NOT induce vomiting.

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Most important symptoms and effects, both acute and delayed May be harmful if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media Extinguish with carbon dioxide, dry chemical, foam or water spray.
 -Unsuitable Extinguishing Media Do not use water jet.

Special hazards arising from the substance or mixture

Highly flammable vapor (flash point below 23°C).

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Avoid breathing vapors.

Environmental precautions

Prevent liquid entering sewers, basements and work pits.

Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections Additional Information

None
None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Avoid breathing vapors.

Conditions for safe storage, including any incompatibilities

-Storage temperature Keep in a cool, well ventilated place. Store at temperatures not exceeding 50 °C / 122 °F.
 -Incompatible materials This product should be stored away from sources of strong heat or oxidizing chemicals.

Specific end use(s)

Coating Remover

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Toluene	108-88-3	200 ppm	20 ppm	300 ppm*	-----	*10-min. Ceiling
n-Butane	106-97-8	-----	250 ppm	-----	-----	-----
Propane	74-98-6	1000 ppm	Aspyx. [#]	-----	-----	#

[^]NIC = Notice of Intended Changes (ACGIH[®]); A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans; # Assure minimum oxygen content of work atmosphere.

Recommended monitoring method

NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C) ; NIOSH 1501 (Hydrocarbons, Aromatic); NIOSH 1401 (Alcohols II); NIOSH 1450

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Exposure controls

Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid / Aerosol
Color	Clear
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	56 (Acetone)
Flash Point (°C)	-17 (Acetone)
Evaporation Rate	Not available
Flammability (solid, gas)	Extremely flammable aerosol.
Explosive Limit Ranges	2.1% - 9.5% v/v (Propane)
Vapor pressure (Pascal)	ca. 95×10^4 (Propane)
Vapor Density (Air=1)	ca. 1.56 @ 0°C (Propane)
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	450 (Propane)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	< 20.5 @ 40 0°C
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	VOC 90%

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.

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Conditions to avoid
Incompatible materials
Hazardous decomposition product(s)

Avoid contact with heat and ignition sources.
Strong oxidizing agents
Carbon monoxide, Carbon dioxide, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Toluene (CAS No. 108-88-3)

Acute toxicity

Oral LD50 = 5580 mg/kg (rat)
Dermal LD50 >5000 mg/kg (rabbit)
Inhalation LC50 (4 hour(s)) 28.1 mg/l (rat) - Vapours may cause drowsiness and dizziness.

Irritation / Corrosivity

Causes serious eye irritation. Causes skin irritation.

Sensitisation

It is not a skin sensitiser.

Repeated dose toxicity

Inhalation NOAEC = 1131 mg/m³ (rat), 2 Year(s) - May cause damage to organs through prolonged or repeated exposure: neuropsychological effects, auditory dysfunction and effects on colour vision.

Carcinogenicity

It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity

There is no evidence of mutagenic potential.

Reproductive toxicity

Suspected of damaging the unborn child. NOAEC: 2.8 mg/liter (rat)

Propane (CAS# 74-98-6):

Acute toxicity

Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas)

Irritation/Corrosivity

No evidence of irritant effects from normal handling and use.

Sensitisation

It is not a skin sensitiser.

Repeated dose toxicity

NOAEC: ≥19678 mg/m³ (28-day, rat, Systemic effects)
LOAEC: 21641 mg/m³ (28-day, rat, effects: Body weight)

Carcinogenicity

No data. It is unlikely to present a carcinogenic hazard to man.

Mutagenicity

There is no evidence of mutagenic potential.

Reproductive toxicity

None anticipated

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Toluene (CAS No. 108-88-3)

Acute toxicity

LC50 (96 hour): 5.5 mg/l (*Oncorhynchus kisutch*)
EC50 (48 hour): 3.78 mg/l (*Ceriodaphnia dubia*)
EC50 (3 hour): 134 mg/l (Algae)

Long Term Toxicity

NOEC (40 days): 1.39 mg/l (*Oncorhynchus kisutch*)
NOEC (7 days): 0.74 mg/l (*Ceriodaphnia dubia*)

Persistence and degradability

Biodegradable

Bioaccumulative potential

The product has no potential for bioaccumulation.

Mobility in soil

Not available.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects

None known.

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	1950	1950	1950
Proper Shipping Name	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
Transport hazard class(es)	2.1	2.1	2.1
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Toluene	108-88-3	40 - 50	1000
Acetone	67-64-1	5 - 10	5000
n-Butyl Acetate	123-86-4	5 - 10	5000

SARA 311/312 - Hazard Categories: See SECTION 2: HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Toluene	108-88-3	5 - 10
Isopropanol	67-63-0	5 - 10

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
Toluene	108-88-3	Developmental, Female Reproductive
Benzene*	71-43-2	Cancer, Developmental (male)
Cumene*	98-82-8	Cancer

*Trace to none.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: December 12,2024

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Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapor.
- H227: Combustible liquid.-
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H361: Suspected of damaging fertility or the unborn child.
- H373: May cause damage to organs through prolonged or repeated exposure:
- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.

Training advice: None.

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