

1 Identification

GHS Product Identifier

Chemical Name: Mixture
 CAS No.: Mixture
 Trade Name: Steel Shine Stainless Steel Cleaner
 Product Code: 3128

Recommended use of the chemical and restriction on use

Identified Use(s): Cleaning & Polishing
 Uses Advised Against: None

Supplier's details

Max Pro
 P.O. Box 9962
 Ft. Lauderdale, FL 33310 USA

Tel.: 954-972-3338

Emergency phone number

CHEMTREC 24 Hour Emergency Response
 USA & Canada 800-424-9300

2 Hazard(s) identification

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200): Flam. Aerosol 1; Liquefied gas; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1

GHS label elements



Extremely flammable aerosol

Contains gas under pressure; may explode if heated

May be fatal if swallowed and enters airways

Causes skin irritation

May cause drowsiness or dizziness

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

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

IF ON SKIN: Wash with plenty of soap and water.

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

Other hazards which do not result in classification

Harmful to aquatic life.

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements above. The labeling above applies to industrial/professional products.

3 Composition/information on ingredients

Description	CAS Number	%	Note
Petroleum Distillates	8002-05-9	5 - 30	Flam. Liq. 2; H225, Asp. Tox. 1; H304, Skin Irrit. 2; H315, STOT SE 3; H336, Aquatic Acute 2; H401, Aquatic Chronic 3; H412
Propane	74-98-6	5 - 10	Flam. Gas 1, H220, Press. Gas (*)

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

4 First-aid measures

Description of necessary first-aid measures

Inhalation:	Move person to fresh air. If breathing is laboured, administer oxygen. If symptoms develop, obtain medical attention.
Skin Contact:	Wash affected skin with soap and water. If symptoms develop, obtain medical attention.
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. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

May be fatal if swallowed and enters airways. Will cause skin irritation. Vapours may cause drowsiness and dizziness.

Indication of immediate medical attention and special treatment needed, if necessary

If swallowed: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

5 Fire-fighting measures

Suitable extinguishing media

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable Extinguishing Media: Do not use water jet.

Specific hazards arising from the chemical

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

Special protective actions 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.

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 gas/spray. Avoid contact with skin and eyes.

Environmental precautions

Prevent liquid entering sewers, basements and work pits.

Methods and materials for containment and cleaning up

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

7 Handling and storage

Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only.

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.

8 Exposure controls/personal protection

Control parameters

Occupational Exposure Limits

SUBSTANCE	CAS No.	(8hr TWA)		(STEL)		Note
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Heptane, branched, cyclic and linear	426260-76-6	500 ppm*	1500 mg/m ³	-----	-----	*n-heptane
C9-C15 Alkanes & Cycloalkanes	Mixture	-----	1200 mg/m ³	-----	-----	
Propane	74-98-6	1000 ppm	Aspyx.#	-----	-----	#

#Assure minimum oxygen content of work atmosphere.

Recommended monitoring

(Naphthas): Method NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C); NIOSH 1550

Appropriate engineering controls

Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits.

Individual protection measures

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 (Nitrile rubber)



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.



Environmental Exposure Controls:

None known

9 Physical and chemical properties

Physical and chemical properties

Appearance:	Liquid / Liquefied gas
Color:	Clear
Odor:	Petroleum spirit
Odor Threshold (ppm):	Not available
pH (Value):	Not available
Melting Point (°C) / Freezing Point (°C):	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C):	-104 (Propane)
Evaporation Rate:	Not available
Flammability (solid, gas):	Extremely flammable
Explosive Limit Ranges:	2.1% - 9.5% v/v (Propane)
Vapor pressure (Pascal):	ca. 95 x 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
Explosive properties:	Not explosive
Oxidizing properties:	Not oxidising
Other information:	Not available

10 Stability and reactivity

Reactivity

Stable under normal conditions.

Chemical stability

Stable.

Possibility of hazardous reactions

None anticipated.

Conditions to avoid

Avoid contact with heat and ignition sources.

Incompatible materials

This product should be stored away from sources of strong heat or oxidizing chemicals.

Hazardous decomposition products

None known.

11 Toxicological information

Toxicological (health) effects

Heptane, branched, cyclic and linear (CAS# 426260-76-6) - By analogy with similar materials:

Acute toxicity Oral:	LD50 >5 g/kg-bw
Dermal:	LD50 >2 g/kg-bw
Inhalation:	LC50 = 65 - 103 mg/L (Vapour), 4-hr. rat May cause drowsiness or dizziness.

Information on the likely routes of exposure

Exposure routes: Inhalation, Skin Contact, Eye Contact

Symptoms related to the physical, chemical and toxicological characteristics

Irritation/Corrosivity:	Causes skin irritation. Repeated exposure may cause skin dryness or cracking. May cause eye irritation.
Sensitisation:	It is not a skin sensitiser.

Repeated dose toxicity

NOAEC:	12350 mg/m3 (2 yr, inhal., rat, Systemic effects)
LOAEC:	1650 mg/m3 (2 hr, inhal., rat, CNS effects) May cause drowsiness or dizziness.

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
<u>Propane (CAS# 74-98-6):</u>	
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.
<u>Repeated dose toxicity</u>	
NOAEC:	>19678 mg/m ³ (28-day, rat, Systemic effects)
LOAEC:	21641 mg/m ³ (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

12 Ecological information

Toxicity

Aquatic toxicity:

Heptane, branched, cyclic and linear (CAS# 426260-76-6) - By analogy with similar materials:

Short term:

- LL50 (96 hour): >13.4 mg/L (Oncorhynchus mykiss)
- EL50 (48 hour): 3 mg/l (Daphnia magna, mobility)
- EC50 (96 hour): 13 mg/l (Pseudokirchnerella subcapitata)

Long Term:

- NOELR (28 days) 1.5 mg/l (Fish) QSAR
- LOEC (21 days): 0.32 mg/l (Daphnia magna)
- NOEL (96 hour) 6.3 mg/l (Algae)

13 Disposal considerations

Disposal methods

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

14 Transport information

UN Number

UN1950

UN Proper Shipping Name

Aerosols, flammable

Transport hazard class(es)

2.1

Packing group, if applicable

Not applicable

Environmental hazards

None assigned

Special precautions for user

None assigned

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15 Regulatory information**Safety, health and environmental regulations specific for the product in question****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)
Sodium Nitrite	7632-00-0	0.5	100

SARA 311/312 - Hazard Categories:

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

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

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	----	----

16 Other information**Other information****Date of preparation:** January 14, 2020**Hazard Statement(s) and Risk Phrases Listed in:****Hazard Statement(s)**

- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapour.
- H272: May intensify fire; oxidiser.
- H301: Toxic if swallowed.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H336: May cause drowsiness or dizziness.

- H401: Toxic to aquatic life.
- H412: Harmful to aquatic life with long lasting effects.

Training advice: None.

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