

SECTION 1. Identification of the substance/preparation and company

1.1 Product Identification	: Anti-corrosion agent
1.2 Model No.	: PlasE [®] AR-207
1.3 Recommended Use	: PlasE AR 207 is a wax based anti rust spray for thermo process molds, tools, bearings, guides, chains, etc.
1.4 Manufacturer Name	: SANP Technical (Guangzhou) Co., Ltd.
1.5 Manufacturer Address	: No.71, Guanghuanan Road, Dalong Street, Panyu District, Guangzhou City, Guangdong, PRC.
1.6 Manufacturer Phone	: 020-84649832
1.7 Manufacturer Fax	: /
1.8 Manufacturer Email	: /
1.9 Emergency Phone	: +86 13316211850

SECTION 2. Hazards identifications



Emergency Overview:

Appearance	: aerosol
Colour	: colourless
Odour	: hydrocarbon-like
Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. Harmful to aquatic life with long lasting effects.	

GHS Classification:

Aerosols	: Category 1
Skin irritation	: Category 2
Short-term (acute) aquatic hazard	: Category 3
Long-term (chronic) aquatic hazard	: Category 3

GHS label elements:

Hazard pictograms	:  
Signal word	: Danger
Hazard statements	: H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H412 Harmful to aquatic life with long lasting effects.

SECTION 2. Hazards identification

Precautionary statements	:	P102 Keep out of reach of children
Prevention	:	P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves.
Response	:	P302 + P352 IF ON SKIN: Wash with plenty of water. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse.
Storage	:	P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Disposal	:	P501 Dispose of contents/containers according the local government requirements.

Physical and chemical hazards

Extremely flammable aerosol.Pressurised container: May burst if heated.

Health hazards

Causes skin irritation.

Environmental hazards

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

Other hazards which do not result in classification

None known.

SECTION 2. Composition / information on ingredients

Substance / Mixture : Mixture

Chemical name	CAS-No.	Concentration (% w/w)
Butane	106-97-8	24-40
2-Pentane	107-83-5	21-36
Propane	74-98-6	12-20
Alkane fat	--	<50

SECTION 4. First aid measures

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

- | | | |
|---|---|---|
| If inhaled | : | Call a physician or poison control centre immediately
Remove person to fresh air. If signs/symptoms continue, get medical attention
Keep patient warm and at rest
If unconscious, place in recovery position and seek medical advice
Keep respiratory tract clear
If breathing is irregular or stopped, administer artificial respiration. |
| In case of skin contact | : | Take off all contaminated clothing immediately
Wash off immediately with soap and plenty of water
Get medical attention immediately if irritation develops and persists
Wash clothing before reuse
Thoroughly clean shoes before reuse |
| In case of eye contact | : | Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes
If eye irritation persists, consult a specialist |
| If swallowed | : | Move the victim to fresh air
If accidentally swallowed obtain immediate medical attention
Keep respiratory tract clear
Do NOT induce vomiting
Rinse mouth with water |
| Most important symptoms : and effects, both acute and delayed | : | Central nervous system depression
Causes skin irritation
Inhalation may provoke the following symptoms:
Unconsciousness
Dizziness
Drowsiness
Headache
Nausea
Tiredness
Skin contact may provoke the following symptoms: Erythema |
| Notes to physician | : | Treat symptomatically |

SECTION 5. Firefighting measures

Suitable extinguishing media	:	ABC powder
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire-fighting	:	<p>Fire may cause evolution of carbon oxides Fire Hazard</p> <p>Do not let product enter drains. Contains gas under pressure; may explode if heated. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.</p>
Hazardous combustion products	:	Carbon oxides
Specific extinguishing methods	:	<p>Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Cool containers/tanks with water spray.</p>
Special protective equipment for firefighters	:	<p>In the event of fire, wear self-contained breathing apparatus Use personal protective equipment. Exposure to decomposition products may be a hazard to health.</p>

SECTION 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	<p>Evacuate personnel to safe areas. Ensure adequate ventilation. Remove all sources of ignition. Do not breathe vapours or spray mist. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Refer to protective measures listed in sections 7 and 8.</p>
Environmental precautions	:	<p>Do not allow contact with soil, surface or ground water. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.</p>
Methods and materials for containment and cleaning up	:	<p>Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, (vermiculite) and place in container for disposal according to local national regulations (see section 13). Keep in suitable, closed containers for disposal. Non-sparking tools should be used.</p>
Prevention of secondary hazards	:	<p>Only qualified personnel equipped with suitable protective equipment may intervene.</p>

SECTION 7. Safe handling and storage

Handling

Advice on safe handling : Do not use in areas without adequate ventilation.
Do not breathe vapours or spray mist.
In case of insufficient ventilation, wear suitable respiratory equipment.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Keep away from fire, sparks and heated surfaces.
Smoking, eating and drinking should be prohibited in the application area.
Wash hands and face before breaks and immediately after handling the product.
Do not get in eyes or mouth or on skin.
Do not get on skin or clothing.
Do not ingest.
Do not use sparking tools.
These safety instructions also apply to empty packaging which may still contain product residues.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Avoidance of contact : Oxidizing agents

Storage

Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.
Store in accordance with the particular national regulations.

SECTION 8. Exposure controls / personal protection

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Butane	106-97-8	STEL	1,000 ppm	ACGIH
2-Pentane	107-83-5	STEL	1,000 ppm	ACGIH
Propane	74-98-6	STEL	1,000 ppm	ACGIH

Engineering measures : Use only in an area equipped with explosion proof exhaust ventilation.
Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Short term only
Combination filter:

SECTION 8. Exposure controls / personal protection

Filter type	:	Filter type A-P
Eye/face protection	:	Safety glasses with side-shields
Hand protection	:	Protective gloves The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case
Protective measures	:	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace.
Hygiene measures	:	Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9. Physical and chemical properties

Appearance	:	aerosol
Colour	:	colourless
Odour	:	hydrocarbon-like
Odour Threshold	:	No data available
Values refer to the propellant:		
pH	:	Not applicable
Melting point/range	:	No data available
Boiling point/boiling range	:	< -18 °C
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Extremely flammable aerosol.
Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	> 1,200 hPa (20 °C)

SECTION 9. Physical and chemical properties

Relative density	:	0.65 (20 °C) Reference substance: Water: The value is calculated
Density	:	ca. 0.65 g/cm ³ (20 °C)
Bulk density	:	No data available
Solubility(ies)		
Water solubility	:	immiscible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	No data available
Sublimation point	:	No data available

SECTION 10. Stability and reactivity

Reactivity	:	No hazards to be specially mentioned.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

SECTION 10. Stability and reactivity

10.1 Stability:

Stable under recommended storage and handling conditions (See section 7).

10.2 Material for avoiding:

Strong oxide, acid and alkali.

10.3 Contact conditions for avoiding:

Sunlight, high temperature.

10.4 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. Toxicological information

11.1 Acute toxicity:

Acute oral toxicity : Remarks: Effects due to ingestion may include
Symptoms: Central nervous system depression

Acute inhalation toxicity : Remarks: Respiration of solvent vapour may cause dizziness
Symptoms: Inhalation may provoke the following symptoms:
Respiratory disorder, Dizziness, Drowsiness, Vomiting, Fatigue,
Vertigo, Central nervous system depression

Acute dermal toxicity : Symptoms: Redness, Local irritation

11.2 Skin corrosion/irritation:

Irritating to skin

11.3 Serious eye damage/irritation:

Contact with eyes may cause irritation.

11.4 Respiratory or skin sensitization:

No data available

11.5 Germ cell mutagenicity:

No data available

11.6 Carcinogenicity:

No data available

11.7 Reproductive toxicity:

No data available

11.8 STOT-single exposure:

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

11.9 STOT-repeated exposure:

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

11.10 Aspiration hazard:

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

11.11 Aspiration toxicity:

Respiratory pain, cough

SECTION 11. Toxicological information

11.12 Further information:

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance

SECTION 12. Ecological information

12.1 Ecotoxicity:

Toxicity to fish : Remarks: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Toxicity to microorganisms : No data available

12.2 Persistence and degradability:

Product:

Biodegradability : No data available

Physico-chemical removability : No data available

Components:

Butane: Biodegradability : Result: rapidly biodegradable

2-Pentane: Biodegradability : Result: Biodegradable

Propane: Biodegradability : Result: Biodegradable

Alkane fat: Biodegradability : aerobic
Result: Not rapidly biodegradable
Biodegradation: 21 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

12.3 Bioaccumulative potential:

Product: Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Butane: Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <=4).

Butane: Partition coefficient: : Pow: 2.89
n-octanol/water

2-Pentane: Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <=4).

SECTION 12. Ecological information

2-Pentane: Partition : Pow: 2.76
coefficient: n-octanol/water

Propane: Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <=4).

Propane: Partition coefficient: : Pow: 2.36
n-octanol/water

Alkane fat: Partition : log Pow: 5.3
coefficient: n-octanol/water

12.4 Mobility in soil

Mobility: No data available

Distribution among environmental compartments: No data available

12.5 Other Dangers:

Harmful to aquatic life with long lasting effects

SECTION 13. Disposal considerations

13.1 Handling method for waste:

Do not dispose of with domestic refuse.

Dispose of as hazardous waste in compliance with local and national regulations.

13.2 Handling method for uncleaned packaging

Packaging that is not properly emptied must be disposed of as the unused product.

Offer empty spray cans to an established disposal company.

Pressurized container: Do not pierce or burn, even after use.

SECTION 14. Transport information

International Regulations

UNRTDG

UN number : UN 1950
Proper shipping name : AEROSOLS
Class : 2.1
Packing group : Not assigned by regulation
Labels : 2.1

IATA-DGR

UN/ID No. : UN 1950
Proper shipping name : Aerosols, flammable
Class : 2.1
Packing group : Not assigned by regulation
Labels : Flammable Gas
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203

SECTION 14. Transport information

IMDG-Code

UN number : UN 1950
Proper shipping name : AEROSOLS
Class : 2.1
Packing group : Not assigned by regulation
Labels : 2.1
EmS Code : F-D, S-U
Marine pollutant : no

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

Code Not applicable for product as supplied.

National Regulations**GB 6944/12268**

UN number : UN 1950
Proper shipping name : AEROSOLS
Class : 2.1
Packing group : Not assigned by regulation
Labels : 2.1

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. Regulatory information

Hazardous chemicals catalog
Dangerous Goods Number Of United Nations
Classification and code of dangerous goods
Occupational Safety and Health Act (OSHA)
The principle of classification of transport packaging groups of dangerous goods
In accordance with all local laws.

SECTION 16. Other information

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use, this information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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