

MATERIAL SAFETY DATA SHEET
REMS SPEZIAL SPRAY OIL

SECTION I – PRODUCT INFORMATION

Distributor's name: Allied Rubber and Gasket Company, Inc. – ARGCO
2610 Commerce Way
Vista, Ca 92081

In case of emergency: Contact your local poison control center
For information, call: 800-854-1015
Date prepared: 1/23/2007
Product name: Rems Spezial Spray Oil

SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Preparation of pressure gas, mineral oil with native greases, non-ionic surfactans and organic chlorous components.

Hazardous Ingredients:

EINECS-No.	Name	Symb.	Conc.-%
CAS-No.	R-phrases		
200-827-9	propane		
74-98-6	12	F+	5 – 10
203-448-7	butane		
106-97-8	12	F+	30 – 100
	alcyl aryl polyglycol ether 36/38		

Additional information: Meanings of R-phrases see under chapt. 16

SECTION III – HAZARDS POSSIBILITIES

Hazards designation:

F+ Extremely flammable

Specific hazards to man and the environment:

12 Extremely flammable.

In use, may form flammable/explosive vapor-air mixture. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

SECTION IV – FIRST AID MEASURES

General Information: Remove contaminated clothing immediately and dispose of safely. **After Inhalation:** Remove the casualty into fresh air and keep him calm. **After Skin Contact:** In case of contact with skin wash off immediately with plenty of water. **After Eye Contact:** In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. In case of irritation consult an oculist. **After Ingestion** Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Summon a doctor immediately.

SECTION V – FIREFIGHTING MEASURES

Suitable extinguishing media: Foam Dry Powder Carbon dioxide Extinguishing media that must not be used for safety reasons. Full water jet. Special exposure hazards arising from the substance or preparation itself its combustion product or from resulting gases.

In the event of fire the following can be released: Carbon monoxide (CO) Carbon dioxide (CO2)

In case of combustion evolution of dangerous gases possible. HC1 S02 H25

Special protective equipment for firefighting. Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus. Other information Cool endangered containers with water spray jet.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective clothing. Ensure adequate ventilation. Keep away sources of ignition. Use breathing apparatus if exposed to vapors/dust/aerosol. Environmental precautions. Do not discharge into the drains/surface waters/groundwater. Methods for cleaning up/taking up: Take up with absorbent material. Dispose of absorbed material in accordance with the regulations.

SECTION VII – HANDLING AND STORAGE

Handling: Advice on safe handling. Use personal protective clothing. Open and handle container with care. Avoid formation of aerosol. Use only in well ventilated areas. Advice on protection against fire and explosion. Vapors can form an explosive mixture with air. Keep away from sources of ignition-refrain from smoking. Containers in danger should be cooled with water. **Pressurized container:** protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. **Storage:** Requirements for storage rooms and vessels. Protect from heat and direct sunlight. Keep in a cool place, heat causes increase in pressure and risk of bursting. Keep container in a well-ventilated place. Keep container tightly closed. Storage class (according to VCI): 28

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional hints on technical system design: See chapter 7; no measures exceeding the ones mentioned are necessary. Ingredients with occupational exposure limits to be monitored

EINECS-No.	Name	Type	Value	Unit
200-827-9	Propane	MAK	1000.000	ppm
203-448-7	Propane		750.000	600.000 ppm

Personal protective equipment: Respiratory protection. Breathing apparatus in the event of aerosol or mist formation. Hand protection. Eye protection. **General protective measures:** Do not inhale gases/vapors/aerosols. Use only in well ventilated areas. Avoid contact with eyes and skin. At work do not eat, drink, smoke or take drugs. Keep away from foodstuffs and beverages. Wash hands before breaks and after work.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Form: Aerosol Color: Brownish Odor: Typical

	Value	Unit	Method
Flash point	n.a.	°C	

Viscosity	20 °C	n.a.
Density	20 °C	0.75 g/cm ³
Lower explosion limit:		n.a. Vol. %
Upper explosion limit:		n.a. Vol. %
Solubility in water/method		insoluble
Pourpoint		n.a. °C
Boiling point:		n.a. °C
Bulk density:		n.a. kg/m ³
Vapor pressure:	20 °C	mbar
PH value:	20 °C	n.a.

SECTION X – STABILITY AND REACTIVITY

Materials to avoid Reactions with strong oxidizing agents. Hazardous decomposition products.
 Flammable gases/vapors No hazardous reactions when stored and handled according to prescribed instructions.

SECTION XI – TOXICOLOGICAL INFORMATION

General remarks: No toxicological data are available.
 Experience in practice: Inhalation causes narcotic effect/intoxication

SECTION XII – ECOLOGICAL INFORMATION

Do not discharge into the drains/surface waters/groundwater. The formulation was evaluated using the conventional method of the Dangerous Preparations Directive 1999/45/EC and not classified as hazardous to the environment.

SECTION XIII – DISPOSAL CONSIDERATIONS

Product Waste code 150104 metallic packaging
 The listed waste code numbers, according to the European Waste Catalogue (EWC) are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.
 Uncleaned packaging: Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

SECTION XIV-TRANSPORT INFORMATION

Land transport ADR/RID	Class: 2	UN number: 1950	Technical name: Aerosols, flammable
PG: n.a.	Hazard Id. No.: 0023		
Marine transport INDG/GGVSee	Class: 2	EmS: 2-13	UN number: 1950 Correct technical
name: AEROSOLS	PG: n.a.	Marine Pollutant: n.a.	
Air transport ICAO/IATA	Class: 2.1	UN number: 1950	Correct technical name: Aerosols,
flammable	PG: n.a.		

SECTION XV-REGULATORY INFORMATION

Labeling in accordance with EC directives. The product is classified and labeled in accordance with EC directives/GefStoff V

F+ Extremely flammable

R phrases: 12 Extremely flammable.

In use, may form flammable/explosive vapor-air mixture.

5 phrases: 16 Keep away from sources of ignition – No smoking.

51 Use only in well-ventilated areas.

Special labeling for certain preparations. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material.

National regulations Water hazard class/source: 2 (VwVws)

TA-Luft/paragraph (for Germany only): Not listed.

VbF (Germany): Restriction of occupation. Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing mothers.

SECTION XVI-OTHER INFORMATION

12 Extremely flammable. 36/38 Irritating to eyes and skin.

The data mentioned in the present safety data sheet correspond to our latest knowledge and experience and may be used to precise safety requirements for the different products. The information given therein is no warranty as to quality.

Disclaimer

The information contained herein is accurate and reliable as of the date issued to the best of the manufacture's knowledge. ARGCO doesn't warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising from the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

END OF MATERIAL SAFETY DATA SHEET