

TEMPO PRODUCTS CO.

DATE PREPARED: 01/08/97

A PLASTI-KOTE CO., INC.

1000 LAKE ROAD
 MEDINA, OHIO 44256
 1-330-725-4511

PROPER SHIPPING NAME :

NON-FLAMMABLE GAS

UN# 3159

GROUND: NOW FLAMMABLE GAS, N.O.S. UN# 3159

1-800-255-3924 24 Hour Emergency Only

HAZARD RATINGHMISNEPA

4 = SEVERE

HEALTH 1

HEALTH 1

3 = SERIOUS

FLAMMABILITY 0

FLAMMABILITY 0

2 = MODERATE

REACTIVITY 0

REACTIVITY 0

1 = SLIGHT

PERSONAL -

OTHER --

0 = MINIMAL

PROTECTION B

SECTION II - HAZARDOUS INGREDIENTS

PRODUCT NAME :

MARINE**AIRHORNS**

PRODUCT# PRODUCT# PRODUCT# PRODUCT#

AIR HORN

JR-1

JR-12

JR-R

AH-3

AH-5

RH-3

RH-5

RH-6

RH-12

PH-6

PH-12

S.O.S.

TR-8

INGREDIENT	CAS NUMBER	ACGIH TWA PPM	OSHA PEL PPM	OTHER TLV PPM	VAPOR PRESSURE mmHg at 20 C	S.O.S. % (wt)	TR-8 % (wt)	% (wt)	% (wt)
1,1,1,2 - TETRAFLUOROETHANE	811-97-2	NA	NA	1000	850	100			

SECTION III - PHYSICAL DATA

BOILING RANGE:	- 25.° C (INITIAL)	VAPOR DENSITY:	3.5
MELTING POINT:	-101°C	WEIGHT PER GALLON:	10.0 LBS
VAPOR PRESSURE:	85.8 PSIG @ 70° F	SPECIFIC GRAVITY :	1.2 (WATER = 1)
SOLUBILITY IN WATER:	NIL		
APPEARANCE AND ODOR:	Colorless, slight ethereal odor	EVAPORATION RATE:	> 1 (Butyl Acetate = 1)
PERCENT VOLATILE BY VOLUME: 100%		NE = NONE ESTABLISHED	
See Section II for volatile, hazardous components.		NA = NONE AVAILABLE	

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: LEVEL 1 AEROSOL **FLASH POINT:** NONE
NON-FLAMMABLE GASES (USA FLAME PROJECTION TEST) UEL : NONE
EXTINGUISHING MEDIA: ALCOHOL FOAM, CO2, DRY CHEMICAL, OR WATER SPRAY LEL : NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: UNDER NORMAL CONDITIONS OF USE THIS PRODUCT IS NOT FLAMMABLE L.E.
 Closed containers may explode when exposed to extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES:

USE APPROPRIATE METHOD FOR TYPE OF SURROUNDING FIRE. Use self-contained breathing apparatus with full face piece operated in pressure demand or other positive pressure.

SECTION V - HEALTH HAZARD DATA IF CONTAINER RUPTURES

ROUTE(S) OF ENTRY: INHALATION SKIN INGESTION EYES
CARCINOGENICITY: NTP IARC OSHA
 Ingredients for product(s) listed in Section II are not found in these agencies lists.

Hazard Identification

Emergency Overview: Clear colorless liquified gas. When used as directed, this product is nonflammable. However, accumulated vapors may stratify creating flammable conditions. Exposure to liquid may cause frostbite.
Eyes: Contact with liquid is irritating and may cause frostbite.
Skin: Contact causes frostbite; prolonged contact can cause skin irritation.
Ingestion: Unlikely due to volatile nature of product. Contact with liquid may cause frostbite to mouth and throat tissue.
Inhalation: Harmful if inhaled. High concentrations of vapors in immediate area can displace oxygen and can cause dizziness, unconsciousness, and even death with longer exposure. Keep people away from such vapors without self-contained breathing apparatus.
 Pre-Existing Medical Conditions Aggravated by Exposure: Heart, lung, skin and eye.

FIRST AID-

Eyes: Treat for possible frostbite, then flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel if irritation develops or persists.
Skin: Treat for possible frostbite, then wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash clothing separately before reuse.
Ingestion: Treat for possible frostbite. Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting. Get immediate medical attention.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Do not administer adrenalin.

SECTION VI - REACTIVITY DATA

STABILITY AND CHEMICAL PROPERTIES

Stability: This product is stable. **Conditions to Avoid:** Do not spray near open flames, red hot surfaces or other sources of ignition.
Incompatibility: Do not mix with powdered alkali and alkaline earth metals or strong oxidizing agents.
Products of Decomposition: Thermal decomposition may release hydrofluoric acid vapor.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: NA

SECTION VII - SPILL OR LEAK PROCEDURES

In Case of Spill or Other Release (Always wear recommended personal protective equipment)
 Evacuate unprotected personnel. Protected personnel should remove ignition sources and shut off leak, if without risk, and provide ventilation. Unprotected personnel should not return until air has been tested and determined safe, including low-lying areas.

Handling and Storage Information

Avoid prolonged or repeated contact with eyes, skin and clothing. Wash hands before eating. Use with adequate ventilation. Avoid breathing product vapor or mist. Do not reuse this container. Store in a cool dry place away from heat, spark or flame. Keep container closed when not in use. Do not store in direct sunlight.
KEEP OUT OF REACH OF CHILDREN.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Work/Hygienic Practices

Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants to within their TLV's during the use of this product. Wear a positive pressure air-supplied respirator in situations where there may be potential for airborne exposure. Wear safety glasses with side shields (or goggles) and a full face shield. Wear rubber or other chemically resistant gloves when handling this material.

Disposal Considerations

Dispose of in accordance with all federal, state and local regulations. Water runoff can cause environmental damage.

THE INFORMATION CONTAINED ABOVE IS BELIEVED TO BE ACCURATE, BUT IS NOT WARRANTED. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO CIRCUMSTANCES.

MSDS SHEETS PREPARED BY:

DATE: