

MATERIAL SAFETY DATA SHEET

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I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: AUTOMOTIVE INSTANT SHINE SPRAY
HMIS Ratings:

Health: Slight(1)
 Flammability: Extreme(4)
 Instability/Reactivity: Minimal(0)
 Personal Protective Equipment: B

NFPA Ratings:

Other: EMERGENCY OVERVIEW: EXTREMELY FLAMMABLE
 WILL BE EASILY IGNITED BY HEAT, SPARK OR FLAMES.
 HARMFUL IN CONTACT WITH EYES. IRRITATING TO RESPIRATORY SYSTEM.
 PROLONGED EXPOSURE MAY CAUSE CHRONIC EFFECTS. CONTENTS UNDER
 PRESSURE. AEROSOL.

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
PROPANE	74-98-6	20 - 30	1000 PPM	1000 PPM			
Notes							
N-BUTANE	106-97-8	20 - 30	1000 PPM				
Notes							
ALIPHATIC PETROLEUM SOLVENT	64742-89-8	10 - 20					
Notes							
NON-HAZARDOUS AND OTHER COMPONENTS BELOW REPORTABLE LEVELS		10 - 20					
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: CONTACT MAY IRRITATE OR BURN EYES. EYE CONTACT MAY RESULT IN CORNEAL INJURY.

Skin: IRRITATING TO SKIN. PROLONGED OR REPEATED CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS (RASH).

Ingestion: EXPOSURE BY INGESTION OF AN AEROSOL IS UNLIKELY. INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. MAY CAUSE DELAYED LUNG DAMAGE.

Inhalation: INTENTIONAL MISUSE BY CONCENTRATING AND INHALING THE PRODUCT CAN BE HARMFUL OR FATAL. IRRITATING TO RESPIRATORY SYSTEM. PROLONGED INHALATION MAY BE HARMFUL.

Other: ROUTES OF EXPOSURE
INHALATION. SKIN CONTACT.

IV. FIRST AID MEASURES

Eyes: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. GET MEDICAL ATTENTION IMMEDIATELY.

Skin: REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES. WASH OFF WITH WARM WATER AND SOAP. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

Ingestion: RINSE MOUTH. GET MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING WITHOUT MEDICAL ADVICE. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE RISK OF ASPIRATION. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INGESTED THE SUBSTANCE. INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE.

Inhalation: MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN IF SYMPTOMS DEVELOP OR PERSIST.

V. FIRE FIGHTING MEASURES

Flash Point: -156°F (-104.4°C) ESTIMATED

Extinguishing Agents: WATER FOG. FOAM. DRY CHEMICAL. CARBON DIOXIDE(CO2).

Unusual Fire or Explosion Hazards: VAPOR OR GAS MAY SPREAD TO DISTANT IGNITION SOURCES AND FLASH BACK. RUNOFF TO SEWER MAY CAUSE FIRE OR EXPLOSION HAZARD.

Fire Fighting Procedures: IN THE EVENT OF FIRE AND/OR EXPLOSION DO NOT BREATHE FUMES. WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF-CONTAINED POSITIVE PRESSURE OR PRESSURE DEMAND BREATHING APPARATUS, PROTECTIVE CLOTHING AND FACE MASK. IF TANK, RAIL CAR OR TANK TRUCK IS INVOLVED IN A FIRE, ISOLATE FOR 800 METERS (1/2 MILE) IN ALL DIRECTIONS; ALSO CONSIDER INITIAL EVACUATION FOR 800 METERS (1/2 MILE) IN ALL DIRECTIONS. ALWAYS STAY AWAY FROM TANKS ENGULFED IN FLAME. FIGHT FIRE FROM MAXIMUM DISTANCE OR USE UNMANNED HOSE HOLDERS OR MONITOR NOZZLES. WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICES OR ANY DISCOLORATION OF TANKS DUE TO FIRE. CONTAINERS SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILD UP. FOR MASSIVE FIRE, USE UNMANNED HOSE HOLDERS OR MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN.

Other: SPECIFIC HAZARDS ARISING FROM THE CHEMICAL
FIRE MAY PRODUCE IRRITATING, CORROSIVE AND/OR TOXIC GASES.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup: METHODS FOR CONTAINMENT
ELIMINATE ALL IGNITION SOURCES (NO SMOKING, FLARES, SPARKS, OR FLAMES IN IMMEDIATE AREA). STOP LEAK IF YOU CAN DO SO WITHOUT RISK. MOVE THE CYLINDER TO A SAFE AND OPEN AREA IF THE LEAK IS IRREPARABLE. PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS.

METHODS FOR CLEAN UP
SMALL SPILLS: WIPE UP WITH ABSORBENT MATERIAL (E.G. CLOTH, FLEECE).
CLEAN CONTAMINATED SURFACES THOROUGHLY. AVOID DUST FORMATION.

VII. HANDLING AND STORAGE

Other: HANDLING
PRESSURIZED CONTAINER: DO NOT PIERCE OR BURN, EVEN AFTER USE. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT OR OTHER SOURCES OF IGNITION. USE ONLY IN AREA PROVIDED WITH APPROPRIATE EXHAUST VENTILATION. DO NOT USE IF SPRAY BUTTON IS MISSING OR DEFECTIVE. DO NOT GET THIS MATERIAL IN CONTACT WITH EYES. DO NOT GET THIS MATERIAL IN CONTACT WITH SKIN. AVOID PROLONGED EXPOSURE.

STORAGE
LEVEL 3 AEROSOL.
CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE OR CRUSH. THE PRESSURE IN SEALED CONTAINERS CAN INCREASE UNDER THE INFLUENCE OF HEAT. KEEP AWAY FROM HEAT, SPARKS, AND FLAME. AVOID EXPOSURE TO LONG PERIODS OF SUNLIGHT. STORE IN COOL PLACE. KEEP CONTAINER TIGHTLY CLOSED. KEEP IN AN AREA EQUIPPED WITH SPRINKLERS. KEEP OUT OF THE REACH OF CHILDREN.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: WEAR CHEMICAL GOGGLES.

Skin: WEAR APPROPRIATE CHEMICAL RESISTANT GLOVES. WEAR APPROPRIATE CHEMICAL RESISTANT CLOTHING.

Respiratory: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA).

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: CLEAR COLORLESS COMPRESSED LIQUEFIED GAS

Boiling Point: 118.4°F (47.8°C) ESTIMATED

pH: NOT APPLICABLE

Solubility in Water: NONE

Specific Gravity: 0.6566

Vapor Pressure: 40 – 55 PSIG @ 70°F

Vapor Density: ND

Physical State: LIQUID; FORM: AEROSOL

Other: FLAMMABILITY (HOC): 35.3237 KJ/G ESTIMATED
FLASH BACK: YES.

X. STABILITY AND REACTIVITY

Stability: RISK OF IGNITION. STABLE AT NORMAL CONDITIONS.

Hazardous Decomposition Products: IRRITANTS. TOXIC GAS. MAY INCLUDE OXIDES OF CARBON.

Incompatible Products: ISOCYANATES.

Conditions To Avoid: HEAT, FLAMES AND SPARKS.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicology Data: ACUTE EFFECTS:
ACUTE LD50: 4131 MG/KG ESTIMATED, RAT, DERMAL
ACUTE LC50: 941 MG/L/4H ESTIMATED, RAT, INHALATION.

Special Hazard SENSITIZATION:
NOT EXPECTED TO BE HAZARDOUS BY OSHA CRITERIA.

Information: TERATOGENICITY
NOT EXPECTED TO BE HAZARDOUS BY OSHA CRITERIA.

XII. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: COMPONENTS OF THIS PRODUCT HAVE BEEN IDENTIFIED AS HAVING POTENTIAL ENVIRONMENTAL CONCERNS.

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: CONSULT AUTHORITIES BEFORE DISPOSAL. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, DO NOT ALLOW THIS MATERIAL TO DRAIN INTO SEWER/WATER SUPPLIES. IF DISCARDED, THIS PRODUCT IS CONSIDERED A RCRA IGNITABLE WASTE, D001. DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

RCRA Class: D001: WASTE FLAMMABLE MATERIAL*

Other: *WITH A FLASH POINT <140°F

XIV. TRANSPORT INFORMATION

Proper Shipping Name: CONSUMER COMMODITY

Hazard Class Number and Description: ORM-D

Other: PACKAGING EXCEPTIONS: 156,306
PACKAGING NON BULK: 156,306
PACKAGING BULK: NONE

Proper Shipping Name: AEROSOLS, FLAMMABLE

Hazard Class Number and Description: 2.1

Description:

UN Identification Number: 1950

Packing Group: LTD QTY

Hazard Label(s) Required: 2.1

UN Identification Number: 1950

Proper Shipping Name: AEROSOLS

Hazard Class Number and Description: 2.1

Description:

Packing Group: ITEM 5F

Special Provisions: TRANSPORT CATEGORY: 2

Hazard Label(s) Required: NONE

XV. REGULATORY INFORMATION

EPA Sara Title III Chemical Listings: THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR 1910.1200 HAZARDOUS CHEMICAL: YES.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

HAZARD CATEGORIES:

IMMEDIATE HAZARD: YES

DELAYED HAZARD: YES

FIRE HAZARD: YES

PRESSURE HAZARD: YES

REACTIVITY HAZARD: NO

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE: NO.

SECTION 311 HAZARDOUS CHEMICAL: YES.

Pennsylvania:

U.S.-PENNSYLVANIA-RTK (RIGHT TO KNOW) LIST
ALIPHATIC PETROLEUM SOLVENT: CAS# 64742-89-8; PRESENT.
N-BUTANE: CAS# 106-97-8; PRESENT.
PROPANE: CAS# 74-98-6; PRESENT

Other:

INVENTORY STATUS:
COUNTRY(S) OR REGION / INVENTORY NAME / ON INVENTORY (YES/NO)*
CHINA / INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA (IECSC) / YES*.
EUROPE / EUROPEAN INVENTORY OF NEW AND EXISTING CHEMICALS (EINECS) / YES*.
EUROPE / EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS) / YES*.
JAPAN / INVENTORY OF EXISTING AND NEW CHEMICAL SUBSTANCES (ENCs) / YES*.
KOREA / EXISTING CHEMICALS LIST (ECL) / YES*.
UNITED STATES AND PUERTO RICO / TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY / YES*.
*A "YES" INDICATES THAT ALL COMPONENTS OF THIS PRODUCT COMPLY WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY(S).

XVI. OTHER INFORMATION**WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.