

SECTION 1 PRODUCT IDENTIFICATION	
Product name	: FAM Contact Cleaner
Cross reference	: Electric Contact Cleaner, Solvent Degreaser, Etc
Address	: PT. Fujitama Alfa Megah Taman Tekno 1 Blok H3-31 BSD City 15314
Phone number	: (021) 75671727

SECTION 2 HAZARDOUS INGREDIENTS			
Chemical name	:CAS Number	Percent	TLV
2-Methylpentane	:107-83-5	>65	500ppm (OSHA TWA)
Alkanes C3-4	:68475-59-2	30-35	100 ppm

SECTION 3 HAZARDS IDENTIFICATION	
Health Hazards	May be harmful if inhaled and/or ingested. Avoid breathing of vapors. May cause skin irritation. High Vapor may be irritating to eyes and respiratory tract. See section 11 for further information
Physical Hazards	Combustible liquid. Liquid or vapor may ignite. Keep away from all sources of ignition

IMO - International Maritime Organization

	
Flammable liquid	Flammable gas

SECTION 4 FIRST AID MEASURES	
Routes of exposure and effects of overexposure:	
Inhalation	:May cause dizziness and nausea .
Skin Contact	:May cause light irritation for sensitive skin.
Ingestion	:Do not ingest.
Emergency First Aid Procedures:	
Eye contact	:Irritant to eye, flush immediately with large amount of water for 15 minute, get medical attention.
Skin contact	:May cause irritant to sensitive skin, rinse thoroughly with water, remove contaminated clothing and shoes immediately. if irritant occur, get medical attention.
Inhalation	:Remove to fresh air.
Ingestion	:Call physician immediately, Don't give anything to mouth to unconscious person.

SECTION 5	FIRE FIGHTING MEASURES
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EXTINGUISHING MEDIA: Foam, water spray (fog), dry chemical, and carbon dioxide. Water spray can be used to cool and protect containers exposed to heat and flame.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid. Can form combustible mixtures at temperatures at / or above flashpoint. Materials can accumulate static charges, which can cause an incendiary electrical discharge. Toxic fumes or vapors may evolve on burning. This liquid is volatile and gives off invisible vapors. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights or other flames and ignition sources at locations distant from material handling point. Container may rupture on heating.

SPECIFIC METHODS/ PROTECTION OF FIREFIGHTERS: Do not enter confined fire space without full Bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive-pressure NIOSH approved self-contained breathing apparatus. Isolate "fuel" supply from fire. Avoid spraying water directly into storage containers due to danger of boil over.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulates and gases will evolve when this material undergoes combustion. Fumes, smoke, carbon monoxide and other products of incomplete combustion may be found upon combustion.

SECTION 6	ACCIDENTAL RELEASE MEASURES
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PERSONAL PRECAUTIONS: Personnel protective equipment must be worn (See Section 8). Minimize contact with skin and clothing.

ENVIRONMENTAL PRECAUTIONS: Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Assure conformity with applicable governmental regulations.

METHODS FOR CLEANING UP: Ventilate spill area if in confined or poorly ventilated area. Pick up free liquid with explosion proof or hand pump for recycle and/or disposal. Residual material can be absorbed on inert material. Do not use combustible materials such as sawdust.

SECTION 7	HANDLING AND STORAGE
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TECHNICAL MEASURES: Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.

PREVENTION OF USER EXPOSURE: Avoid contact with eyes. Avoid prolonged or repeated contact with skin and clothing. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

PREVENTION OF FIRE AND EXPLOSION: Refer to Section 5.

PRECAUTIONS: Use product with caution around heat, sparks, pilot lights, static electricity and open flame.

SAFE HANDLING ADVICE: Refer to Section 10.

STORAGE

TECHNICAL MEASURES: Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.

STORAGE CONDITIONS: Store in a cool, dry ventilated area. Keep containers tightly closed and upright when not in use.

INCOMPATIBLE PRODUCTS: Refer to Section 10.

PACKAGING MATERIALS: The original Prolong container is the recommended storage material for this product.

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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ENGINEERING MEASURES

CONTROL PARAMETERS: The use of local exhaust ventilation is recommended to control process emissions near source. Laboratory samples should be stored and handled in lab hood. Provide mechanical ventilation of confined spaces. No smoking. Keep away from flame or other ignition sources. **PERSONAL PROTECTIVE EQUIPMENT**

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved full face respirator with a combination organic vapor and IGH efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, poorly ventilated areas and for large spill clean-up sites.

HAND PROTECTION: Use chemical-resistant gloves to avoid prolonged or repeated skin contact.

EYE PROTECTION: Wear chemical splash goggles with side shields or face shield.

SKIN AND BODY PROTECTION: Long sleeve shirt is recommended. Use of chemical-resistant apron or other impervious clothing recommended. Chemically resistant boots are also recommended. Launder clothing before reuse.

HYGIENE MEASURES: Minimize breathing vapor, mist or fumes. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean before reuse; discard if oil-soaked. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period.

SECTION 9	PHYSICAL DATA
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Boiling Point	60°C
Flash Point	: -7°C
Solubility in water	Not Soluble
Vapor density	3.0 (air=1)
Appearance & odor	light transparent, solvent thinner odor
Spec Gravity	0.65
pH	N/A
Vapor pressure	400 mm Hg (42 C)

SECTION 10	REACTIVITY DATA
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Stability	:Stable as long as container is tightly close and put in dry area
Incompatibility	:Avoid contact with strong oxidizing material, avoid contact with heat sources.
Hazardous Decomposition product	:Oxides of carbon.
Hazardous polymerization	:Will not occur.

SECTION 11	TOXICOLOGICAL INFORMATION
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PRIMARY ROUTES OF ENTRY OR EXPOSURE: Skin absorption, eye contact, inhalation and ingestion. **INHALATION:** Vapor concentrations above recommended exposure limits are irritating to the eyes and respiratory tract. May cause headaches and dizziness, are anesthetic and may have other central nervous system effects, including death based on data from components or similar materials.

SKIN: Slightly irritating to the skin. Prolonged and repeated contact may result in various skin disorders such as dermatitis. Skin contact may aggravate existing dermatitis condition based on data from components or similar products.

Material Safety Data Sheet
MSDS

EYE: May cause eye irritation based on data from components or similar products.

INGESTION: Ingestion of material may result in vomiting; Aspiration (breathing of vomitus into the lungs) must be avoided as even small quantities may result in aspiration pneumonitis. Ingestion may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain.

ACUTE TOXICITY: Pre-existing skin and respiratory disorders may be aggravated by exposure.

SECTION 12	ECOLOGICAL INFORMATION
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STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate and remove with inert absorbent. Pick up large spill with vacuum tracks or pump. Absorb small spills/leaks with oil absorbent. Follow local and government regulation regarding disposal.

SECTION 13	DISPOSAL CONSIDERATIONS
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WASTE DISPOSAL METHODS: Dispose in an environmentally safe manner and in accordance with governmental regulations.

SECTION 14	TRANSPORTATION INFORMATION
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IATA

UN Number :	UN1950
UN proper shipping name:	Aerosols, Flammable, Limited Quantity
Transport Hazard Class(es)	
Class:	2.1
Subsidiary risk:	-
Packing Group:	Not applicable
Environmental Hazard:	No
Other Information	
Passanger and cargo	
Aircraft:	Allowed.
Cargo aircraft	
Only:	Allowed.

DOT CLASSIFICATION: NA1993,NOS (AROMATIC HYDROCARBON),PGIII,3 COMBUSTIBLE LIQUID

DOT BULK SHIPPING CLASSIFICATION: NA1993,NOS (AROMATIC HYDROCARBON),PGIII,3

IMDG CODE: NA1993,NOS (AROMATIC HYDROCARBON),PGIII,3

TRANSPORTATION INCIDENT INFORMATION: For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents.

SECTION 15	REGULATORY INFORMATION
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THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUES: THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355 (SARA SECTIONS 301-304): No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen) for SARA Section 302.

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA SECTION 313): This product contains the following substances subject to the reporting requirements of SARA III Section 313 1986 and 40

TSCA INVENTORY: All components are listed on the TSCA inventory.

WHIMIS: Class 1B, Division 3, Combustible liquids

IMO: CLASS 3: Flammable liquid

NFPA: HEALTH 2, FIRE 3, REACTIVITY 0

NOTE: State and local regulatory requirements may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding other regulatory requirements.

SECTION 16	OTHER INFORMATION
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The information and recommendation herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. PT Fujitama Alfa Megah does not warrant or guarantee their accuracy or

reliability, and shall not be liable for any loss or damage arising out of the use thereof. The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use.
