

Matrial Safety Data Sheet**M/s. MALAYCHEM INDUSTRIES**

MSDS.	11
DATE	01-12-2010
REVISION	0

1. Identification of the substance/preparation and of the company/undertaking

Product name :	ARTIFICIAL WAXES AND PREPARED WAXES (Chafing Fuel Gel)
Trade name :	Fire Stoke
Chemical name :	Ethanol Gel (Jelled Ethanol)
Product use :	A gelled ethanol food warming fuel used for warming food in chafing dishes only. The fuel is Ethanol in a colloidal gel.
Product Code:	13
HS Code	34049020
Manufacturer name :	M/S. MALAYCHEM INDUSTRIES
Street Address :	GIDC - 3, SURVEY NO. 330, PLOT NO. 10, BEHIND GARIB SHAH PEER, SIHOR.
City :	BHAVNAGAR
State :	GUJARAT
Country :	India
Postal Code :	364240
Emergency Phone :	0091 9820788879
E-mail :	malaybhayani@gmail.com

2. Hazards identification

The product is classified as hazardous within the meaning of the valid (EU) preparation guideline.

Xn-Harmful

R30 can become highly flammable in use.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

R40 Limited evidence of a carcinogenic effect.

Pregnant women should absolutely avoid breathe in and skin contact.

The solvent vapors are lighter than air and evaporates in air.

3. Composition / information on ingredients

General chemical description :	Composition
Base substances of preparation:	Water and Ethyl Alcohol
Declaration of ingredients according to EC/1907/2006:	

Hazardous components	Appox. %	Cas no.
Ethanol	70-75%	67-56-1
D M Water	25-30%	
Additive	0.5-1%	

For full text of the R-Phrases indicated by codes see section 16 ' Other information'.

Substances without classification may have community workplace exposure limits available.

4. First aid measures

General information :	In case of adverse health effects seek medical advice.
Inhalation :	Move to fresh air.
Skin contact :	Wipe off affected skin area immediately with a soft cloth and then wash with running water and mild soap; apply skin care product.
Eye contact :	Wash with plenty of water immediately and continue for several minutes, holding eyelid open. Consult a doctor.
Ingestion :	Rinse the mouth. Drink 1-2 glasses of water. Seek medical advice.

5. Fire fighting measures

Suitable extinguishing media :	Water spray jet,
	Alcohol-resistant foam
	Extinguishing powder
	Carbon dioxide.
Extinguishing media which must not be used for safety reason :	High pressure waterjet or Co2 Dry chemical foam
Special protection equipment for firefighters :	Wear self-contained breathing apparatus. Wear protective equipment.
Additional information :	In case of fire, keep containers cool with water spray.

6. Accidental release measures

Personal precautions :	Ensure adequate ventilation.
	Keep away from sources of ignition.
	Avoid contact with skin and eyes.
	Keep unprotected persons away.
Environmental precautions :	Do not empty into drains / surface water / ground water.
Clean-up methods :	Remove with liquid-absorbing material (sand, peat, sawdust). Dispose of contaminated material as waste according to item 13.

7. Handling and storage

Handling :	Ensure good ventilation/suction at the workplace.
	Avoid skin and eye contact.
	Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld.
	Do not empty waste into waste water drains.
	Take measures to prevent the build-up of electrostatic charges.
Storage :	Store only in the original container.
	Temperatures between + 5°C and + 49°C
	Store in a cool, dry place and keep away from sources of open heat or open flame when not in use.
	Keep container tightly closed when not in use.
	Protect from direct sunlight.
	Do not store together with food or other consumables (coffee, tea, tobacco, etc.)

8. Exposure controls / Personal protection

Components with specific control Valid for internationally parameters for workplace :	
Engineering controls :	No further information, see section 7.
Respiratory protection :	The production should only be used at workplaces with intensive ventilation / extraction. If intensive ventilation / extraction is not possible then self-contained independent respiratory protection should be worn.
Hand protection :	Use protective gloves. For short term contact (e.g. as protection against splashes) protective gloves made from polyvinyl chloride are recommended according to EN 374. For longer term contact, Silver Shield protective gloves from North Safety Products (break through time > 8 hours) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.)
	The gloves must be replaced immediately at the first signs of wear and tear.
	The information provided by the manufacturer and given in the relevant trade association regulations for industrial safety must always be observed.
	We recommend that a hand care plan is drawn up in co-operation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection :	Goggles which can be tightly sealed.
Skin Protection :	Suitable protective clothing.
General protection and hygiene: measures :	Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Wash off any dirt that gets on to the skin with lots of soap and water, skin care.
9. Physical and chemical properties	
General characteristics :	
Appearance :	Coloured transparent gel
Odor :	Alcohol odour
Specific Gravity :	1.85 gms/cm ³
Vapor Pressure :	Not Applicable
Vapor Density :	Not Applicable
Evaporation Rate :	Not Applicable
Boiling Point :	Not Applicable
Freezing Point :	Not Applicable
Solubility in water :	Moderate
Chemical pH :	6.5 - 7.5
Flash Point	Tag closed cup 54 ° F
Lower Explosive Limit :	Not Applicable
Upper Explosive Limit :	Not Applicable
Ignition Temperature :	@745 mm Hg 477 ° C / 890.6 ° F
Flammability :	Yes. In presence of open flame, extreme Heat, spark & other sources of ignition.
Hazardous Combustion Products:	Not Known
Sensitivity to static Discharge :	Yes
10. Stability and reactivity	
Condition to avoid:	Keep away from sources of ignition and naked flames. Avoid heating.
Materials to avoid:	Reaction with oxidants.
Hazardous decomposition products:	In the event of fire no gas is released.
11. Toxicological information	
General toxicological information:	In the event of protected or repeated exposure, damage to health cannot be excluded. Vapors may cause drowsiness and dizziness.

Oral toxicity:	Harmful if swallowed.
Inhalative toxicity:	Harmful by inhalation.
Dermal toxicity:	Harmful in contact with skin.
12. Ecological information	
Persistence and degradability :	
Ultimate biodegradation :	The biodegradability of the surfactants contained in the product is in accordance with the requirements of the EU Detergent regulation (EC/648/2004)The total of the organic components contained in the product achieve > 60% BOD/COD or CO2 liberation, or > 70% DOC reduction in tests for ease of degradability - threshold values for ,readily degradable, (e.g. to OECD method 301).
General ecological information:	Do not empty into drains, soil or bodies of water.
13. Disposal considerations	
Product disposal:	Waste incineration or treatment plant with the approval of the responsible local authority. The valid EEC waste code numbers are not product-related but are largely source-related. The manufacturer is therefore unable to specify EEC waste codes for the articles or products used in the various sectors. These can be requested from the manufacturer.
Disposal of uncleaned packages:	Use packages for recycling only when totally empty.
14. Transport information	
Road transport ADR:	
Class:	4.1
Packaging group:	II
Classification code:	T1
Hazard ident number:	60
UN no.:	1325
Label:	4.1
Technical name	Consumer Commodity, ORM - D, N.O.S.

Railroad transport RID:

Class:	4.1
Packaging group:	II
Classification code:	T1
Hazard ident number:	60
UN no.	1325
Label:	4.1
Technical name:	Consumer Commodity, ORM - D, N.O.S.

Inland water transport AND:

Class:	4.1
Packaging group:	II
Classification code:	T1
Hazard ident number:	60
UN no.	1325
Label:	4.1
Technical name:	Consumer Commodity, ORM - D, N.O.S.

Marine transport IMDG: (IMDG CODE - PAGE NO. 4146)

Class:	4.1
Packaging group:	II
UN no.	1325
Label:	4.1
EmS:	F-A, S-G
Seawater pollutant:	NIL
Proper shipping name:	Consumer Commodity, ORM - D, N.O.S.

Air transport IATA:

Class:	4.1
Packaging group:	II
Packaging instructions (passenger)	611
Packaging instructions (cargo)	618
UN no.:	1325
Label:	4.1
Proper shipping name:	Consumer Commodity, ORM - D, N.O.S.

15.Regulations - classification and identification Indication of danger:

Xn - Harmful Flamable



Contains: Water, Ethanol

Risk phrases:

- R20/21/22 Also harmful by inhalation, in contact with skin and if swallowed.
- R30 Can become highly flammable in use.
- R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
- R40 Limited evidence of a carcinogenic effect.

Safety phrases:

- S2 Keep out of the reach of children.
- S3/7 Keep container tightly closed in a cool place.
- S7/9 Keep container tightly closed and in a well-ventilated place.
- S13 Keep away from food, drink and animal feedingstuffs.
- S18 Handle and open container with care.
- S21 When using do not smoke.
- S23 Do not breathe vapour.
- S24/25 Avoid contact with skin and eyes.
- S35 This material and its container must be disposed of in a safe way.
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- S51 Use only in well-ventilated areas.
- S52 Not recommended for interior use on large surface areas.
- S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or Label.

List of ingredients according to ethyl alcohol

detergents regulation: D M Water

Additives

16. Other information

The labelling of the product is indicated in section 1.5. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

R10 Flammable.

R11 Highly flammable.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R40 Limited evidence of a carcinogenic effect.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 repeated exposure may cause skin dryness or cracking.
R67 Vapours may caused drowsiness and dizziness.
Further information;
This information is based on our current level of knowledge and relates to the
product in the state in which it is delivered. It is intended to describe our products
from the point of view of safety requirements and is not intended to guarantee any
particular properties.