



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

#### Section 1: Identification

Product Name: MDF KIT ACTIVATOR

Product code

DELTA BOND

Relevant identified uses of the substance or mixture and uses advised against Identified uses:

Adhesive Type of product

Aerosol

Vaporizer

Aerosol

Relevant identified uses Intended for general public

Momtaz Bell Gostar

No 11, baghestan Alley, Namaz sq., Shahriar, Iran, 3351133022.

Supplier/Manufacture:

Phone: +98 21 62773\* Fax: +98 2165225197 \*

Email: info@deltaadhesive.com

In Case of Emergency:

+98 21 62773

(office hours only)

#### Section 2: Hazardous Identification

Signal Word:

No signal word

GHS:

No data available.

Hazard Classification: Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol

Category 1

H222;H229

On basis of test data

Skin corrosion/irritation

Category 2

H315

Calculation method

Reproductive toxicity,

Category 2

H361

Calculation method

Specific target organ toxicity — Single exposure

Category 3, Narcosis

H336

Calculation method

Specific target organ toxicity — Repeated exposure

Category 2

H373

Calculation method

Hazardous to the aquatic environment — Chronic Hazard,

Category 2

H411

Calculation method

DELTA WOOD ADHESIVE



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects: Pressurized container: May burst if heated. Extremely flammable aerosol. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Causes skin irritation. Toxic to aquatic life with long lasting effects.

Label elements: Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):



GHS02

GHS07

GHS08

GHS09

Signal word (CLP) : Danger

Hazardous ingredients : N-hexane; Petroleum gases, liquefied, Petroleum gas, [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately -40 °C to 80 °C (-40 °F to 176 °F).]

Hazard statements (CLP):

H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated H315 - Causes skin irritation  
H336 - May cause drowsiness or dizziness  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure H411 - Toxic to aquatic life with long lasting effects

Precautionary statement:

P102 - Keep out of reach of children  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P211 - Do not spray on an open flame or other ignition source P251 - Do not pierce or burn, even after use  
P260 - Do not breathe gas, spray, vapours  
P271 - Use only outdoors or in a well-ventilated area P273 - Avoid release to the environment  
P280 - Wear eye protection, face protection, protective clothing, protective gloves  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

Security closing plug for children : Not applicable

Tactile warning: Not applicable

Other hazards: No additional information available.

### Section 3: Composition/Information on Ingredients

Substance/Mixture:

Chemicals:	Product identifier	Weight%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N- hexane	(CAS No) 110-54-3 (EC no) 203-777-6 (EC index no) 601-037-00-0	50 - 70	Flam. Liq. 2, H225 Repr. 2, H361f Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Petroleum gases, liquefied, Petroleum gas, [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately -40 °C to 80 °C (-40 °F to 176 °F).] (Note K)(Note S)(Note U	CAS No) 68476-85-7 (EC no) 270-704-2 (EC index no) 649-202-00-6	30 – 40	Press. Gas Flam. Gas 1, H220 Carc. 1A, H350 Muta. 1B, H340
N,N-dimethyl-p-toluidine (Note C)	(CAS No) 99-97-8 (EC no) 202-805-4 (EC index no) 612-056-00-9	0.1 - 1	Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT RE 2, H373 Aquatic Chronic 3, H412
Specific concentration limits:			
N-hexane	(CAS No) 110-54-3 (EC no) 203-777-6 (EC index no) 601-037-00-0		(C >= 5) STOT RE 2, H373

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

Note K : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3- butadiene (EINECS No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 (Table 3.1) or the S-phrases (2-)9-16 (Table 3.2) should apply. This note applies only to certain complex oil-derived substances in Part 3.

Note S : This substance may not require a label according to Article 17 (see section 1.3 of Annex I) (Table 3.1). This substance may not require a label according to Article 23 of Directive 67/548/EEC (see section 8 of Annex VI to that Directive) (Table 3.2).

Note U : When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Full text of H-statements: see section 16

#### Section 4: First-Aid Measures

Description of Necessary First-Aid IF exposed or concerned: Get medical advice/attention.  
Measures:

Inhalation:

Remove person to fresh air and keep comfortable for breathing.

Skin:

Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

Eyes:

Rinse eyes with water as a precaution.

Ingestion:

Call a poison center or a doctor if you feel unwell.

Description of Symptoms/Effects Symptoms/injuries:  
(both acute and delayed) & May cause drowsiness or dizziness.  
Symptoms of Overexposure: Symptoms/injuries after skin contact:  
Irritation.

Indication of Immediate Medical  
Attention & Special Treatment Treat symptomatically.  
Needed, If Necessary:

#### Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Water spray. Dry powder. Foam.

Fire hazard:

Extremely flammable aerosol.

Specific Hazards Arising from the Chemical:

Explosion hazard:

Pressurized container: May burst if heated.

Hazardous decomposition products in case of fire:

Toxic fumes may be released



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

Special Protective Actions for Fire-Fighters: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

#### Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment & Emergency Procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental Precautions: Avoid release to the environment. Refer to Section 12: Ecological Information.

Methods & Materials for Containment & Clean Up:

For containment:	Collect spillage.
Methods for cleaning up:	Recover mechanically the product. Notify authorities if product enters sewers or public waters.
Other information:	Dispose of materials or solid residues at an authorized site.

For additional information, refer to Section 13: Disposal Considerations.

#### Section 7: Handling & Storage

Precautions for Safe Handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for Safe Storage: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

#### Section 8: Exposure Controls & Personal Protection

Exposure Limits:

Engineering Controls: Ensure good ventilation of the work station.

Personal Protective Measures:

Respiratory: Wear respiratory protection.

Hand: Protective gloves recommended.

Eye: Chemical safety goggles. Ensure eye bath is to hand.

Skin: Personal protective equipment for the body should be selected based on



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

the task being performed and the risk involved.

Environmental exposure  
controls:

Avoid release to the environment

#### **Section 9: Physical & Chemical Properties**

Physical State:	Gas Appearance: Liquid under pressure.
Color:	Colorless.
Odor:	Characteristic.
Odor Threshold:	Not Available
pH:	Not Available
Melting Point:	Not Available
Boiling Point:	64 - 72 °C
Flash Point:	< 60 °C
Evaporation Rate:	Not Available
Flammability (solid, gas):	Extremely flammable aerosol
Lower & Upper Flammability/Explosive Limits:	Not Available
Vapor Pressure:	23 hPa @ 20°C
Vapor Density:	Not Available
Relative Density:	Not Available
Density	0.78 g/cm <sup>3</sup>
Solubility:	Not Available
Partition coefficient: n- octanol/water:	Not Available
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Explosive properties	Pressurized container: May burst if heated.
VOC content	89 %

#### **Section 10: Stability & Reactivity**



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

Reactivity:	Extremely flammable aerosol. Pressurized container: May burst if heated.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	No dangerous reactions known under normal conditions of use.
Conditions to Avoid:	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials:	No additional information available
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### **Section 11: Toxicology Information**

Acute Toxicity	No Data Available
Oral LD50:	No Data Available
Inhalation LC50:	No Data Available
Dermal LD50:	No Data Available
Skin Corrosion/Irritation:	Causes skin irritation.
Serious Eye Damage/Irritation:	No Data Available
Respiratory or Skin Sensitization:	No Data Available
Germ Cell Mutagenicity:	No Data Available
Reproductive Toxicity:	Suspected of damaging fertility or the unborn child.
Teratogenicity:	No Data Available
Specific Target Organ Toxicity-Single Exposure:	May cause drowsiness or dizziness.
Specific Target Organ Toxicity-Repeated Exposure:	May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard:	No Data Available
Carcinogenicity	
IARC:	No Data Available
ACGIH:	No Data Available
NTP:	No Data Available
OSHA:	No Data Available
Vaporizer	Aerosol



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

#### Section 12: Ecological Information

Toxicity:	Ecology – general: Toxic to aquatic life with long lasting effects.
Persistence & Degradability:	No additional information available.
Bio-accumulative Potential:	No additional information available
Mobility in Soil:	No additional information available
Other adverse effects:	No additional information available

#### Section 13: Disposal Considerations

Disposal Methods:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Disposal of packaging	No additional information available
Waste code number:	No Waste Code Number available.

#### Section 14: Transport Information

In accordance with ADR / RID / IMDG / IATA / AND

UN number	UN-No. (ADR)	1950
	UN-No. (IMDG)	1950
	UN-No. (IATA)	1950
	UN-No. (ADN)	1950
	UN-No. (RID)	1950 14.2. UN proper shipping name
UN proper shipping name	Shipping Name (ADR)	AEROSOLS
	Proper Shipping Name (IMDG)	AEROSOLS
	Proper Shipping Name (IATA)	Aerosols, flammable
	Proper Shipping Name (ADN)	AEROSOLS
	Proper Shipping Name (RID)	AEROSOLS
	Transport document description (ADR)	UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS





## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

Transport document description (IMDG)	UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN)	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID)	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) 2.1

Danger labels (ADR) 2.1



IMDG

Transport hazard class(es) (IMDG) 2.1

Danger labels (IMDG) 2.1



IATA

Transport hazard class(es) (IATA) : 2.1

Hazard labels (IATA) : 2.1



ADN



# SAFETY DATA SHEET

## MDF KIT ACTIVATOR

Transport hazard class(es) (ADN) : 2.1

Danger labels (ADN) 2.1



RID

Transport hazard class(es) (RID) 2.1

Danger labels (RID) 2.1



Packing group

Packing group (ADR) Not applicable

Packing group (IMDG) Not applicable

Packing group (IATA) Not applicable

Packing group (ADN) Not applicable

Packing group (RID) Not applicable

Environmental hazards

Dangerous for the environment Yes

Marine pollutant Yes

Other information No supplementary information available

Special precautions for user -  
Overland transport

Classification code (ADR) 5F

Special provisions (ADR) 190, 327, 344, 625

Limited quantities (ADR) 1I

Excepted quantities (ADR) E0



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

	Packing instructions (ADR)	P207, LP02
	Special packing provisions (ADR)	PP87, RR6, L2
	Mixed packing provisions (ADR)	MP9
	Transport category (ADR)	2
	Special provisions for carriage - Packages (ADR)	V14
	Special provisions for carriage - Loading, unloading and handling (ADR)	CV9, CV12
	Special provisions for carriage - Operation (ADR)	S2
	Tunnel restriction code (ADR) :	D
Special precautions for user- - Transport by sea	Special provisions (IMDG)	63, 190, 277, 327, 344, 959
	Limited quantities (IMDG)	SP277
	Excepted quantities (IMDG)	E0
	Packing instructions (IMDG)	P207, LP02
	Special packing provisions (IMDG)	PP87, L2
	EmS-No. (Fire)	F-D
	EmS-No. (Spillage)	S-U
	Stowage category (IMDG)	None
	Stowage and handling (IMDG)	SW1, SW22
	Segregation (IMDG)	SG69
	MFAG-No	126
Special precautions for user - Air transport	PCA Excepted quantities (IATA)	E0
	PCA Limited quantities (IATA)	Y203



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

	PCA limited quantity max net quantity (IATA)	30kgG
	PCA packing instructions (IATA)	203
	PCA max net quantity (IATA)	75kg
	CAO packing instructions (IATA)	203
	CAO max net quantity (IATA)	150kg
	Special provisions (IATA)	A145, A167, A802
	ERG code (IATA)	10L
Special precautions for user - Inland waterway transport	Classification code (ADN)	5F
	Special provisions (ADN) :	190, 327, 344, 625
	Limited quantities (ADN)	1 L
	Excepted quantities (ADN)	E0
	Equipment required (ADN)	PP, EX, A
	Ventilation (ADN)	VE01, VE04
	Number of blue cones/lights (ADN)	1
Special precautions for user - Rail transport	Classification code (RID)	5F
	Special provisions (RID)	190, 327, 344, 625
	Limited quantities (RID)	1L
	Excepted quantities (RID)	E0
	Packing instructions (RID)	P207, LP02
	Special packing provisions (RID)	PP87, RR6, L2
	Mixed packing provisions (RID)	MP9
	Transport category (RID)	2



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

Special provisions for carriage –  
Packages (RID) W14

Special provisions for carriage -  
Loading, unloading and handling  
(RID) CW9, CW12

Colis express (express parcels)  
(RID) CE2

Hazard identification number (RID) 23

Transport in bulk according to Annex  
II of MARPOL 73/78 and the IBC Code Not applicable

#### Section 15: Regulatory Information

No chemical safety assessment has been carried out

#### Section 16: Other Information

The information given here is to the best of our knowledge true and accurate and is provided solely for making safety assessments. It is not a sales specification or an indication of suitability for a particular use.

Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1A	Carcinogenicity, Category 1A
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Muta. 1B	Germ cell mutagenicity, Category 1B
Press. Gas	Gases under pressure
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2



## SAFETY DATA SHEET

### MDF KIT ACTIVATOR

STOT RE 2

Specific target organ toxicity — Repeated exposure  
Category 2

STOT SE 3

Specific target organ toxicity — Single exposure  
Category 3, Narcosis

H220

Extremely flammable gas

H222

Extremely flammable aerosol

H225

Highly flammable liquid and vapor

H229

Pressurized container: May burst if heated

H301

Toxic if swallowed

H304

May be fatal if swallowed and enters airways

H311

Toxic in contact with skin

H315

Causes skin irritation

H331

Toxic if inhaled

H336

May cause drowsiness or dizziness

H340

May cause genetic defects

H350

May cause cancer

H361

Suspected of damaging fertility or the unborn child

H361f

Suspected of damaging fertility

H373

May cause damage to organs through prolonged or repeated exposure

H411

Toxic to aquatic life with long lasting effects

H412

Harmful to aquatic life with long lasting effects