

ORIGINAL

SAFETY DATA SHEET

Revision n.5 January 2015

1. IDENTIFICATION OF PRODUCT AND MANUFACTURER

Identification of production:

Denomination

SOLID WAX (OCTANES)

Description/use

Wax product for the process of marble and stone

Identification of firm:

FIDAL Abrasivi srl**Via Aurelia 337****19034 Ortonovo (SP) Italy****Tel. +39 0187 66712****Fax +39 0187 661723**

2. COMPOSITION AND INFORMATIONS OF COMPONENTS

Dangerous matters content:

mixture of isomeric,

N.67/548/CEE: 601-009-00-8

CAS: 111-65-9

ENEICS: 203-892-1

Symbol of risks:

F N Xn R11 R38 R50/53 R65 R67

Acetate isopropyl,

N.67/548/CEE: 607-024-00-6

CAS: 108-21-4

ENEICS: 203-561-1

Symbol of risks:

F Xi R11 R36 R66 R67

3. IDENTIFICATION OF RISK

Xn



Noctivo

F

Facilmente
inflamabile

Specified indications of risk for man and habitat:

R11: easily inflammable

R38: Irritating for the skin

R65: noxious – in the case of ingestion, can to cause damages at lung

R 50/53: highly tossic for the acquatic organisms

R67: the inspiration of vapours can to cause somnolence and giddiness

S16:to preserve in the distance from flames and sparks – not smoke.

S29: Not discard the residuals in the sewerage.

S33: To evade the deposition of electrostatics charges.

S43: In case of fire, to use chemical foam. Not use water.

S56: To dispose this materials and the respective containers in a place for dangerous material or special material.

S57: To use the containers appropriate for to evade the environmental pollution .

S60: This material and his containers must be dispose as dangerous refuses.

S61: Not disperse in the sewerage. To refer at special instructions/informative schedule regard the security.

S62: In case of ingestion, not cause the vomiting ; to consult immediatly the doctor and to show the containr or the label of this.

S37: To use adapt gloves.

4. FIRST ASSISTANCE

Contact with the skin:

To take immediatly the contaminate garment.

Contact with the eyes:	To wash immediately, with plentiful water and eventually with soap, the parts of the body that are in contact with the product, also if they are suspects.
Ingestions:	To wash immediately with water for 10 minutes. Not cause absolutely vomiting. To apply immediately at examination.
Inspiration:	To aerate the environment. To remove immediately the patient from the contaminated environment and to hold him in a fresh environment. In case of malaise, to consult the doctor.

5. MEASURE OF FIRE

Suitable:	In case of fire to use chemistry lather. Not use water.
Unsuited	Any in particular
Risks of combustion:	To avoid of to breathe the smoke.
Protective measures:	To use protections for the respiratory tract. To cool the containers exposed at fire with water. Specified risks: Together the combustion dangerous products, can be a monoxide of carbon. The phase of vapour is more heavy of air, expand at level of soil and is possible the ignition at distance.

6. MEASURES IN CASE OF ACCIDENTAL DISCHARGE

Precautionary Measures for the security of the peoples:	To put the equipment of personal protection.
Measures of protection environmental :	To avert the infiltration in the sewerage, in the superficial water, in the phreatic waters with ground or sand. If the product is flowed in a river, in drainage system or have infected the ground or the vegetation, to inform the qualified authority.
Method of cleaning/absorption	To pick up rapidly the product to putting mask and protective garment. To pick up the product for the reutilization, if is possible, or for the elimination. In case, to absorb it with inert material. To prevent that it enter in the drainage system. Successively, at collection, to wash with water the part and the materials interested to take the water utilized and in case to give it at an authorized dump.

7. MANIPULATION AND STOCKPILING

Caution manipulation:	During the not eat, not drink, to use suitable glove, to avoid the inspiration of vapour vapor and dust.
Materials incompatible:	any in particular. The compatibility with plastic matters, can to change; to recommend the verification before the used.
Condition of storage:	To maintain always closed the containers. To conserve in cool and fresh place. To evade the cumulation of electrostatic charges. Guarantee electric continuity wi.
Indication of the locals:	Cools and fresh.
	Materials and lining qualified:

carbon steel , stainless steel, polyester, teflon.
The container remain dangerous when is emptied of product content.

8. CHECK OF EXPOSURE AND INDIVIDUAL PROTECTION

Precautionary measures:

Respiratory Protection: Is necessary a suitable respiratory protection: a mask with filter .

Protection for hands : To use glove

Protezione degli occhi: To use protective glasses.



Protezione della pelle: To use garment at complete protection of the skin.



Limits of exposure at substance:

Components	CAS	CEE	TLV-TWA	TLV-STEL
Mixture of isomer	111-65-9	601-009-00-8	300 ppm	375 ppm
Isopropile acetate	108-21-4	607-024-00-6	1040 mg/mc (250 ppm)	1290 mg/mc (310 ppm)

9. PROPERTY PHYSICAL AND CHEMICAL

Colour: Viscous past
Odor: Characteristic
Insoluble
Soluble in varied Organic solvent
F.P. 13°C

10. STABILITY AND REACTIVITY

Condition to evade: To evade cumulation of electrostatic charge
Incompatible substances: Oxidants
Dangerous products of decomposition: Nothing in normal conditions

11. TOXICOLOGICAL INFORMATION

To consider the concentration of the single substances for to value the toxicological effects that to derive from the exposure at substance.
En enclosed are report the toxicological informations regarding the principal substance present in the preparation :

-Octane mixture of isomer:

Toxicity acute :

LD50 oral rat: > 2 g/Kg
LD50 cutaneous rabbit: > 2 g/Kg
LC50 inhalation rat: > 20 mg/l/4h

The product is irritating for the skin.
The exposure to cause irritation at eyes and at first respiratory tract.
The prolonged inspiration of vapour to cause slippiness and dizziness.

Chronic toxicity:

There aren't datas disposable of carcinogenesis.

-ISOPROPILE ACETATE :

Acute toxicity:	in small measure
LD50 oral rat:	> 6000 mg/Kg
LD50 Cutaneous rabbit:	> 2000 mg/Kg
LC50 inspiration rat:	27-133 mg/l/4h
Irritating Power eyes:	Light irritating conjunctivis.
Irritating Power skin:	The single ocular application , half-occlusive, of 4 hours, on the skin of rabbit, to cause little symptom of irritation .
Toxicity subacute :	Not found side effects at long time at extended exposure .
Genotoxic:	The product not show mutagenic activity .

12. ECOLOGICAL INFORMATION

-OCTANE MIXTURE OF ISOMER :

Environmental mobility: This substance is very volatile and will evaporate rapidly to air if is dispersed in the water .

Environmental degradability: Is based on the dates for a similar substance or dated estimated. This substance, should be " promptly " biodegradable for the OECD . This substance can to degrade rapidly in the air. Is possible that this substance can be to removed in a system of treatment of the drainage. Even if not exit dated that to indicate that this substance not persist in the aquatic environmental, the european classification , to request that it is classified as potential cause at long time of effect at long time in the environmental aquatic .

Ecotoxicity and bio-accumulation: Based on dated for a similar substance or estimated dated . Are possible at long time negative effects for the aquatic organisms if there is a continuous exposure.

-ACETATE ISOPROPYL :

Organics composed Volatiles : 100 %

Mobility: The product is not volatile, is moderately soluble in the water. the product to filter through in the earth . If the product is liberated in the earth, it evaporate rapidly .

Persistence/Degradability: The product is easily biodegradable . BOD5 is equal at 13 % of ThOD. Considered from the United Nations Organization as come "less important" in the formation of ozone episadico .

Bio-cumulation: To presume that the product not give origin at phenomenons of bio-cumulation. Factor of bio-concentration = 1.8
log Pow: 0.98 – 1.3

The product, is not considered not toxic for the aquatic species.

Fishes, LC50 48h: 265 mg/l *Leuciscus Idus*

Daphnie, EC50 24h: 4150 mg/l *Daphnia Magna*

Algae, EC50 48h: 110 mg/l *Artemia Salina*

13. CONSIDERATIONS ON DRAINING

If is possible, to recover it. To send it , to authorized system of draining . to work with the national and local dispositions .

14. INFORMATION FOR THE TRANSPORT

UN Number	3175
ADR/RID (class/cod. class./gr.imb.)	4.1P.G II EmS No:F-E, S-E
ADR/RID (symbol)	Flame
ADR/RID N° KEMLER:	33
ADR/RID:	Solid , flammable material n.o.s.

15. INFORMATIONS ON THE REGULATION

Classification and labelling for the instruction CEE

The product is classified and codified accordingly at instructions CEE, regulations for the dangerous goods .

Sign and labelling of dangerousness of the product :

Symbols:

- Xn Noxious
- F Easily unflammable
- N Dangerous for the environment

Phrase R:

- R11 Easily unflammable
- R65 Noxious: to cause damages at lungs in case of ingestion.
- R67 The inspiration of vapours, can to cause sleepiness and vertigos.
- R38 Irritating for the skine .
- R50/53 Highly toxic for the aquatic organisms ; to cause at a long time, negative effects for the aquatic environment .

Phrase S:

- S16 To conserve distant from flames and sparks – Not smoke.
- S29 Not throw the remaining goods in the drainage .
- S33 To evade the cumulation of electrostatic charges .
- S43 In case of fire, to use chemical foam . Not use jets .
- S56 To discharge this material and the attendant containers in a collection of dangerous and special refuse.
- S57 To use containers suitable for to avoid the environment pollution .
- S60 This material and his container, must be discharged as dangerous refuses .
- S61 Not disperse in environment .
- S62 In case of ingestion , not to cause the vomiting; to consult immediately the doctor and to show the container or the labell.
- S37 To use the suitable gloves .

Contain:

Octane mixture of isomeri

To apply, where is possible , the following regulations:

D.P.R. 303/56 (Controlli sanitari);
 Circolari ministeriali 46 e 61 (Ammine aromatiche);
 Legge 136/83 (Biodegradabilità detergenti);
 D. Lgs. 334/99 (Direttiva Seveso 2);
 D.P.R. 250/89 (Etichettatura detergenti).

16. OTHERS INFORMAZIONI

- R11 Easily inflammable.
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- R65 Hrmful: can to cause damages at lungs in case on ingestion .
- R67 The inspiration of vapours , can to to cause sleepiness and vertigo.
- R36 Irritating for the eyes .
- R66 The repeated exposure, can to cause dryness and chapping of the skin .

Principal bibliographical:

NIOSH – Registry of toxic effect of chemical substances (1983);
 I.N.R.S. – Fiche Toxicologique;
 CESIO – Classification and labelling of anionic, nonnionic surfactants (1990);
 CCNL – Allegato 1 "TLV per il 1989 – 90"

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