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FANOLA

Date of issue : 13.08.2008 / version 2.0/EN

### **MATERIAL SAFETY DATA SHEET**

Basis: EC ordinance No. 1907/2006 (REACH)

#### **1. Substance/product and manufacturer identification :**

Commercial name : FANOLA  
Other names : RBI-7  
Chemical formula: compound  
Application : odour thinner, kindling  
Manufacturer's name and address : PLANIKA Sp. z o.o.  
Ul. Bydgoska 38  
86-061 Brzoza  
REGON No. : 093115222  
Telephone : +48 52 364-11-91  
Fax : +48 52 364-11-90

#### **2. Hazard identification :**

Hazards to humans :pursuant to the current directive and local law provisions relating to classification methods, the product was not classified as hazardous. The product does not pose any hazards for human life or health, provided that it is used in compliance with general principles of labour safety and hygiene  
Hazards to environment : The product is not classified as hazardous to environment.  
Other hazards: The product is highly flammable

#### **3. Composition and information on ingredients :**

- ethyl alcohol 80-90%, CAS-64-17-5, WE-200-578-6, F;R11 symbols  
- isopropanol 5-10%, CAS-67-63-0, WE-200-661-7, F;Xi;R11,R36,R67 symbols  
- ethyl acetate 1-5%, CAS-141-78-6, WE-205-500-4, F;Xi;R11,R36,R66,R67 symbols  
Additionally, the product contains acetone and isopropyl octane, which are not classified as hazardous.  
We above-mentioned substances do not have registration numbers assigned at the present and, pursuant to REACH ordinance they are subject to interim period provisions.

#### **4. First aid measures :**

Inhalation :  
In the event of exposure to inhalation, move the injured party out of the hazardous place.  
Ensure tranquillity. In case of breathing difficulties, perform artificial respiration. If there is not immediate improvement, ensure medical assistance - in lateral recumbent position.  
Contact with skin :  
In the event of soiling, take the soiled clothes off and wash skin with soap. If irritation persists for a long time, ensure medical assistance and dermatologist's advice.  
Contact with eyes :  
In case of contact with eyes, rinse the eyes with plentiful of cool water for at least 15 minutes, Provide medical assistance immediately.  
Consumption :  
In case of consumption, do not induce vomiting. Give water to drink and prevent the injured from losing his/her conscience. Ensure medical assistance.

#### 5. Fire fighting measures :

##### Special hazards :

Product inflammable. There is a probability of arising explosive compound when mixed with air. Partial combustion products may contain carbon dioxide and carbon monoxide.

##### Fire fighting measures :

Foams resistant to alcohol of film-creating foams or water-dispersed water jets in case of large fires; small fires to be fought with fire-fighting powder, sprayed water and carbon dioxide. Do not use full streams of water.

Inappropriate fire fighting measures : compact stream of water - the risk of fire spreading

##### Other information :

Keep adjacent containers cool by spraying of water from safe distance.

#### 6. Accidental release measures :

Personal protection measures :  
- protective gloves  
- protective goggles

##### Accidental spill or leak measures :

Prevent contamination of soil and water. Prevent spreading or penetration into sewage systems (explosion risk), ditches or rivers by using sand, soil or other suitable barriers. In case of small leaks, absorb the liquid or prevent from further leaking by using sand or soil. Remove ignition sources. Thin vapours by using dispersed currents. Secure drains. Avoid direct contact with the leaking substance. If possible, remove the leak (close the liquid flow, seal the container). In case of a large leak, surround the leak with dykes and pump away the collected liquid. Clean the contaminated spot with plentiful of water.

#### 7. Handling and storage :

##### Storage :

Store in sealed containers in room with good ventilation, far from fire and heat sources and spark-generating tools. Do not burn.

##### Handling :

Comply with protection and safety law regulations. Do not smoke.

#### 8. Exposure controls and personal protection:

During production use following personal protection measures:

Respiratory tract protection : - use in case of insufficient ventilation

Hand protection : - protective gloves (e.g.PVC )

Eye protection : - tight protective goggles

Technical protection measures : - ventilation of rooms

Other protective equipment : -

Personal protection measures used in the place of work should comply with the requirements of the Ordinance of the Minister of economy as of 21 December 2005 and Directive No. 89/686/EWG with subsequent amendments.

Exposure control : the highest admissible concentrations:

**Ethyl alcohol CAS-64-17-5 NDS = 1900 mg/m3 NDSch -**

**Isopropanol CAS-67-63-0 NDS=900 mg/m3 NDSch = 1200mg/m3**

**Ethyl acetate CAS-141-78-6 NDS=600 mg/m3 NDSch=1000 mg/m3**

### 9. Physical and chemical properties :

General; characteristics : **transparent liquid with specific odour**

Ignition temperature [°C]	<23,5
Upper explosive limit [% V/V]	14,8% applies to ethanol
Lower explosive limit [% V/V]	2,5% applies to ethanol
Density [kg/m <sup>3</sup> ] at temperature 20°C	<1g/cm <sup>3</sup>
Molecular mass	compound
Phase at temperature of 20°C	liquid
Solubility in other solvents	hydrocarbons, alcohols and ethers
Solubility in water	soluble
Boiling point [°C]	no data
The n-octanol/water partition coefficient	-
Light refraction coefficient	1,3648
Vapour pressure at temperature of 20°C	[hPa] 59 mbar ( 59 hPa )

### 10. Stability and reactivity :

Stability : stable substance in normal conditions. The substance may react with strong oxidants and acids. The product vapours may create an explosive compound when mixed with air.

Combustion products : carbon dioxide, water

Avoid contact of the product with strong oxidants.

### 11. Toxicological information :

Concentration, lethal and toxic doses :

Ethyl alcohol CAS 64-17-5:

Odour smelling threshold no data

LD50 ( rat, oral ) 7060 mg/kg

LC50 ( rat, inhaled ) 38400 mg/m<sup>3</sup> (10h)

LD50 ( rabbit, skin ) >20000 mg/kg

Following considerable exposure :

The liquid or vapours may cause lacrimation, conjunctivitis as well as irritate nose and throat mucous membranes. Swallowing or consumption may cause nausea, vomiting, motor coordination disorders, headaches, dizziness, breathing difficulties.

Toxicity: Product not tested.

### 12. Ecological information :

The product is soluble in water. It is subject to evaporation from water surface. The liquid is biodegradable to a large extent, subject to quick oxidation in water and air due to photochemical reactions.

Toxicity for fish : LC50=1300 mg/l/96h ( rainbow trout )

Toxicity for crustaceans : no data

Algae growth retardation : no data

### 13. Waste disposal :

Utilize accordingly to the effective provisions of the law. Do not store together with municipal waste, prevent from getting into the sewage system. Waste code :070608 ( other post-distillation and -reaction waste) - the classification is the manufacturer's proposal.

Packaging emptied from all products residues shall be delivered to appropriate waste dump or for utilization accordingly to local law regulations.

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**14. Information on transport : road (ADR) :**

Shipping name : FANOLA  
Hazard class in transport acc. to ADR/RID : class 3,  
Classification code : F1  
Packaging group : III  
UN No. : 1993 liquid, flammable I.N.O.



**15. Information on legal provisions :**

The label contains the following signs and symbols pursuant to the Ordinance of the Minister of Health as of 2 September 2003 (Journal of Laws No. 199, item 1948 as of 24.11.2003)

Warning symbols :

F - highly flammable substance

Hazard identification (R):

R11 - highly flammable product

Correct handling identification :

S2 - keep out of reach of children

S7 - keep in sealed containers

S16 - do not store close to fire sources - do not smoke tobacco

S46 - in case of swallowing, consult your doctor immediately and show this packaging or label



- The act on chemical substance and preparations as of 11 January 2001 (Journal of Laws No. 11, item 84) with subsequent amendments.

- The Ordinance of the Minister of Health as of 4 September 2007 on criteria and classification methods of chemical substance and preparations (Journal of Laws No. 174, item 1222).

- The Ordinance of the Minister of Health on material safety data sheets as of 13.11.2007 (Journal of Laws No. 215, item 1588)

- The Ordinance of the Minister of Health on the list of hazardous substances, including their classification and marking as of 28 September 2005 (Journal of Laws No. 201, item 1674)

- The Ordinance of the Minister of Health as of 2 September 2003 on marking of packaging of hazardous substance and preparations (Journal of Laws No. 173, item 1679) with subsequent amendments.

- The Ordinance of the Minister of Labour and Social Policy as of 29 November on highest permissible concentration and intensity of factors harmful of health in work environment (Journal of Laws No. 217, item 1833) with subsequent amendments.

- Governmental Statement as of 23 March 2007 on coming into effect European Agreement concerning international road transport of hazardous materials ADR written out in Geneva on 30 September 1957 (Journal of Laws No. 99, item 667).

- The act on waste as of 27 April 2001 (Journal of Laws No. 62, item 628) with subsequent amendments.

- The Ordinance of the Minister of the Environment as of 27 September 2001 on waste catalogue (Journal of Laws No. 112, item 1206).

- The Ordinance of the Minister of Economy as of 21 December 2005 on personal protection measures fundamental requirements (Journal of Laws No. 259, item 2173).

- The Ordinance No. 1907/2006/WE on registration, assessment, granting of exemptions and application of limitations in respect of chemicals (REACH) and creation of the European Agency of Chemicals.

- The Council Directive No. 67/548/EEC on rapprochement of legal, executive and administrative regulations, applying to classification, packaging and labeling hazardous substances.

- The Committee Directive No. 2001/58/EEC modifying for the second time Committee Directive No. 91/155/EEC defining and establishing detailed agreements concerning special information system on hazardous preparation.

- The Directive No. 2004/73/EEC as of 29 April 2004 adjusting to technical progress The Council Directive No. 67/548/EEC on rapprochement of legal, executive and administrative regulations, applying to classification, packaging and labeling hazardous substances.

**16. Other information :**

The information provided in this Material Safety Data Sheet is based on our present knowledge of safety requirements as of the date of its preparation.

This Material safety Data Sheet was prepared on the basis of material safety data sheet provided by manufacturers, the Internet databases and current provisions.

Date of issue :13.08.2008, version 2.0/EN, prepared by : Dominika Skupin