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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or mixture:

Product name : ADC SCREEN CLEANER

Additional identification : Cawo plate cleaner, CR Phosphor plate cleaner

MSDS Number : 000000009223

1.2 Use of the substance/mixture:

Use of the : Storage phosphor screen cleaner

Substance/Preparation

Business group : MI

1.3 Company/undertaking identification

Agfa Corporation 611 River Drive Center 3

Elmwood Park, NJ 07407

U.S.A.

Transport Emergency Non-transportation

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GHS (Globally Harmonized System of Classification and Labelling of Chemicals)			
Hazard classes	Flammable liquids		
Hazard categories	Category 2		
Hazard statements	H225		

2.2 Label elements:

Hazardous components which must be listed on the label:

Symbol(s)



GHS02

Signal word : DANGER

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Hazard : H225 Highly flammable liquid and vapour.

statements

Precautionary : P210 Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

statements: prevention

P233 Keep container tightly closed.

P241 Use explosion-proof

electrical/ventilating/lighting/.../equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face

protection.

Precautionary : P303+P361+P

statements: 353

IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/ shower.

response Precautionary

Precautionary: P403+P233

P233 Store in a well-ventilated place. Keep container tightly closed.

statements: storage

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture related information:

Storage phosphor screen cleaner, mainly consisting of:

3.2 Hazard ingredients:

The hazard and labelling information in this section is that of the individual ingredients. The corresponding information relative to this product as supplied is given in section 2.1.

Hazardous components

• Ethanol Concentration [%]: 80.0 - 100.0

CAS-No. : 64-17-5

Hazard classes : Flammable liquids

Hazard categories : Category 2 Hazard statements : H225

• Methanol Concentration [%]: 1.0 - 5.0

CAS-No. : 67-56-1

Hazard classes : Flammable liquidsAcute toxicity OralAcute toxicity DermalAcute

toxicity InhalationSpecific target organ toxicity - single exposure, Acute toxicity Oral, Acute toxicity Dermal, Acute toxicity Inhalation,

Specific target organ toxicity - single exposure

Hazard categories : Category 2, Category 3, Category 3, Category 1

Hazard statements : H225, H301, H311, H331, H370

Components with a community workplace exposure limit

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- Ethanol
- Methanol

3.3 Remark:

Full text of each relevant H-phrase is listed in section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and

consult a physician.

Skin contact : Wash immediately with plenty of water and soap. If symptoms

persist, seek medical advice. Immediately remove contaminated

clothing and shoes. Wash clothing and shoes before reuse.

Ingestion : Rinse mouth with plenty of water. Seek medical advice. Do not

induce vomiting. Obtain medical attention.

Inhalation : Take person to fresh air. If necessary, seek medical advice. If

breathing is irregular or stopped, administer artificial respiration.

4.2 Most important symptoms and effects:

Symptoms : If inhaled: sore throat, cough, shortness of breath. In case of eye

contact: redness and pain. Drying effect on the skin and eyes. Ingestion: corrosive, burning, sore throat, abdominal cramps,

abdominal pain, diarrhea, unconsciousness.

4.3 Indication of immediate medical attention and special treatment needed:

General advice : Call a physician immediately.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Dry extinguishing powder., Foam., Carbon dioxide (CO2)., Atomized

water

Extinguishing media which

must not be used for safety

reasons

: Water (High volume waterjet)

5.2 Special hazards arising from the substance or mixture:

Specific hazards during fire

fighting

: Do not use a solid water stream as it may scatter and spread fire.

Further information : Decomposition of the substance may spread explosively throughout

the entire mass.Collect contaminated fire extinguishing water separately. This must not be discharged into drains.Cool closed

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containers exposed to fire with water spray.

5.3 Advice for fire-fighters:

Special protective equipment

for fire-fighters

: Regular fire intervention clothes. In the event of fire, wear self-

contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions : Cleanup personnel must use appropriate personal protective

equipment.

: Wash away residues with plenty of water. Additional advice

6.2 Environmental precautions:

Environmental precautions : For waste disposal see section 13. The product should not be

allowed to enter drains, water courses or the soil.

6.3 Methods and material for containment and cleaning up:

Methods for cleaning up : Dike the spill if necessary. Soak up with absorbent material. Collect

large spills into a properly labelled and sealable container. Prevent

release into the drain, soil or surface water.

6.4 Reference to other sections:

For waste disposal see section 13. For personal protection see section 8.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Advice on safe handling : Prevent product from diffusing.

: Employees should wash their hands and face before eating, Hygiene measures

> drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and

eye wash stations should be available.

Advice on protection against

fire and explosion

: Keep away from heat and sources of ignition.

7.2 Conditions for safe storage:

Requirements for storage

areas and containers

: Keep container tightly closed. Protect from direct sunlight. Keep in a

dry, cool place.

conditions

Further information on storage : Keep container in a well-ventilated place.

Advice on common storage : Store away from oxidizing and alkaline materials.

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7.3 Specific end use:

This substance is used only by trained professionals under restricted conditions.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

- 8.1.1 Components with occupational exposure limits rsp. biological occupational exposure limits requiring monitoring:
- 8.1.1.1 Occupational exposure limits:

Air limit values (US)

• Ethanol CAS-No.: 64-17-5

Basis	Revision	Value	Type
	Date		
OSHA Z1	06 1993	1,900 mg/m3	PEL
OSHA Z1A	1989	1,900 mg/m3	TWA
ACGIH	2009	1,000 ppm	STEL
TN OEL	06 2008	1,900 mg/m3	TWA

Methanol
 CAS-No.: 67-56-1

Basis	Revision Date	Value	е Туре
ACGIH	2002	200 ppm	n TWA
ACGIH	2002	250 ppm	n STEL
OSHA Z1	06 1993	260 mg/m3	B PEL
OSHA Z1A	1989	260 mg/m3	3 TWA
OSHA Z1A	1989	325 mg/m3	3 STEL
TN OEL	06 2008	260 mg/m3	3 TWA
TN OEL	06 2008	325 mg/m3	3 STEL

Air limit values (CA)

• Ethanol CAS-No.: 64-17-5

Basis	Revision	Value	Type
	Date		
OEL (QUE)	12 2008	1,880 mg/m3	TWA
CAD BC	07 2007	1,000 ppm	STEL
OEL			
CAD SK OEL	05 2009	1,000 ppm	8 HR ACL
CAD SK OEL	05 2009	1,250 ppm	15 MIN ACL
CAD MB	03 2011	1,000 ppm	STEL
OEL			

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Methanol
 CAS-No.: 67-56-1

Basis	Revision	Value	Туре
	Date		
OEL (QUE)	12 2008	262 mg/m3	TWA
OEL (QUE)	12 2008	328 mg/m3	STEL
CAD SK OEL	05 2009	200 ppm	8 HR ACL
CAD SK OEL	05 2009	250 ppm	15 MIN ACL
CAD MB	03 2011	200 ppm	TWA
OEL			
CAD MB	03 2011	250 ppm	STEL
OEL		'''	

Biological limit values (US)

• Ethanol CAS-No.: 64-17-5

Basis	Value	Investigation parameter	Sampling time	Biological specimen
		We are not awar	e of any national exposu	ıre limit.

Methanol
 CAS-No.: 67-56-1

Basis	Value	Investigation parameter	Sampling time	Biological specimen
ACGIH BEL	15 mg/l	methanol	Sampling time: End of shift.	Urine
		Background, Nor	nspecific	

Biological limit values (CA)

• Ethanol CAS-No.: 64-17-5

Basis	Value	Investigation parameter	Sampling time	Biological specimen
		We are not awar	e of any national exposu	ıre limit.

8.1.1.2 Additional exposure limits under the conditions of use:

Ethanol

No other exposure limits applicable.

Methanol

No other exposure limits applicable.

8.2 Exposure controls:

Occupational exposure controls:

> Instruction measures to prevent exposure:

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Employees should wash their hands and face before eating, drinking, or using tobacco products. Keep away from foodstuffs, drinks and tobacco.

> Technical measures to prevent exposure:

Ensure adequate ventilation.

> Personal measures to prevent exposure:

Respiratory protection : Under normal conditions of use, respirator protection is not

required. If respirators are used, institute a program in accordance with OSHA standard 29CFR1910.134 or Canada CSA Standard

Z94.4-02.

Hand protection : Use chemical resistant gloves. In case of prolonged immersion or

frequently repeated contact use gloves made of the materials: butyl rubber (thickness >= 0.36 mm, breakthrough time > 480 min), nitrile rubber (thickness >= 0.38 mm, breakthrough time > 480 min) or neoprene (thickness >= 0.65 mm, breakthrough time > 240 min). For intermittent splash protection corresponding gloves with breakthrough times > 60 min can be used. Avoid gloves made of:

natural latex.
: Safety glasses.

Eye protection : Safety glasses. Body Protection : Safety clothes.

Personal protective : Emergency showers and eye wash stations should be available.

equipment Permeation resistant gloves.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties:

9.1.1 Appearance:

State of matter : Liquid
Form : Liquid.
Color : Colourless.
Odor : Alcoholic odour
Odor threshold : No data available

9.1.2 Important health, safety and environmental information:

pH : Not applicable

Melting point/range : -120 to -110 °C Method: Literature.
Boiling point/range : 73 to 83 °C Method: Literature.
Flash point : 14 °C closed cup Method: ISO 2719
Autoignition temperature : 425 °C Method: Literature.
Vapour pressure (20 °C) : 58.50 hPa Method: Literature.

Relative vapour density : No data available

Relative density (20 °C) : 0.788 Method: Literature.

Density : No data available

Solubility/qualitative : Miscible with water at all ratios.

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Water solubility : No data available Partition coefficient (n-: log Pow: -0.300

octanol/water)

Viscosity, dynamic : 1.22 - 1.41 mPa.s Method: Literature.

: No data available

Lower explosion limit : 3.3 %(V)
Upper explosion limit : 27 %(V)
Flammability (solid, gas) : Flammab : 3.3 %(V) Method: Literature. Method: Literature. : Flammable. Method: Literature.

9.2 Other information:

VOC content : 784.8 g/l

VOC content excluding water

: 370 °C Ignition temperature

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

Reactivity : Strong exotherm reaction with generation of heat.

Release of dangerous gases or fumes. Danger for explosion and

ignition.

Reactivity is not to be expected under normal conditions of

temperature and pressure.

10.2 Chemical stability:

Stability : Hygroscopic.

10.3 Possibility of hazardous reactions:

Hazardous reactions : Reacts violently with peroxides.alkali metals ,ammoniaoxidizing

agents,

10.4 Conditions to avoid:

Conditions to avoid : Heat, flames and sparks. Extremes of temperature and direct

sunlight.

10.5 Materials to avoid:

Materials to avoid : May react violently with oxidisers. Attacks some plastics. Attacks

rubber.

10.6 Hazardous decomposition products:

Hazardous decomposition

products

Hazardous decomposition

products

: Carbon monoxide (CO), Carbon dioxide (CO2).

: Carbon dioxide (CO2).Carbon monoxide (CO),

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SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity data specific for individual ingredients in their pure state:

Toxicokinetics, metabolism and distribution:

Ethanol

Metabolism of ethanol is mediated by alcohol dehydrogenase, catalase and the microsomal ethanoloxidising enzyme system. Microsomal induction leads to interaction of ethanol with drugs, hepatoxic agents, steroids, vitamins and an increased activation of mutagens/carcinogens.

Methanol

Readily absorbed from the gastrointestinal tract. It may also be absorbed by inhalation and through the skin. Oxidation by alcohol dehydrogenase with the formation of formaldehyde and formic acid takes place mainly in the liver and in the kidneys. These metabolites may be excreted in the urine or further metabolised to carbon dioxide and exhaled by the lungs.

Acute effects (toxicity tests):

> Acute Toxicity

Ethanol

	Effect dose	Species	Value Method
Acute oral toxicity	LD50	rat	7,060 mg/kg Literature.
	Based on av	ailable data	the classification criteria are not met.
Acute dermal toxicity	LDL0	rabbit	20,000 mg/kg
	Based on av	ailable data	the classification criteria are not met.
Acute inhalation toxicity	LC50	rat	> 8,000 mg/l/ 4 h Literature.
	Based on av	ailable data	the classification criteria are not met.

Methanol

	Effect dose	Species	Value	Method
Acute oral toxicity	LD50	rat	5,600 mg/kg	OECD Test Guideline
				401
Acute dermal toxicity	LD50	rabbit	15,800 mg/kg	OECD Test Guideline
				402
Acute inhalation toxicity	LC50	rat	86.4 mg/l/ 4 h	Literature.

> Specific target organ toxicity (STOT):

Specific effects	Affected organs

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Single or short-term exposure: The substance is irritating to the eyes, skin and respiratory tract. The substance defats the skin. The substance is found in high concentrations or after swallowing lead to excitement and / or reduction of consciousness. Product dust may be irritating to eyes, skin and respiratory system.

Methanol

Specific effects	Affected organs
The outstanding features of methanol poisoning are metabolic acidosis with rapid, shallow breathing, visual disturbances which may lead to irreversible blindness, and severe abdominal pain. May cause severe irritation resulting in reddening, burning and swelling of the eye and surrounding tissue.	Kidneys, heart, central nervous system, liver, eyes.

> Irritant and corrosive effects:

Ethanol

	Exposure time	Species	Evaluation	Method
Primary irritation to the skin		rabbit	No skin irritation	OECD Test Guideline 404
Irritation to eyes	The produc	ot may be abs rabbit	sorbed through the skin. No eye irritation	OECD Test Guideline 405
	Moderate e	•	Based on available data,	the classification criteria

Methanol

	Exposure time	Species	Evaluation	Method
Primary irritation to the skin		rabbit	Moderate skin irritation	Information from IUCLID
Irritation to eyes		rabbit	Moderate eye irritation	

> Irritation to the respiratory tract:

Ethanol

May cause irritation of respiratory tract.

Methanol

May cause headache and dizziness. Resorption.

> Sensitisation:

Species	Evaluation	Method
	No data available	

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Methanol

Species	Evaluation	Method
guinea pig	Did not cause sensitization on laboratory animals.	Information from IUCLID

> Aspiration hazard:

Ethanol

No data available

Methanol

Does not meet the classification criteria of 3.10.2 of CLP-Regulation (EC) No 1272/2008.

Sub-acute, sub-chronic and chronic toxicity

> Repeated dose toxicity:

Ethanol

Chronic exposure damages the brain and the central nervous system. Skin contact can cause skin damage with formation of excema. The fluid can cause a dry or cracking skin.

Methanol

Skin contact can cause skin damage with formation of excema. The fluid can cause a dry or cracking skin.

> Specific target organ toxicity (STOT):

Ethanol

Repeated or prolonged exposure: The substance can affect the liver, causing damage to the body.

Methanol

Does not meet the classification criteria of 3.9.2 of CLP-Regulation (EC) No 1272/2008.

> CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):

- Carcinogenicity

Ethanol

There was no evidence of cancer in male mice following chronic oral administration.

Methanol

There was no evidence of cancer in male mice following chronic oral administration.

- Mutagenicity

Ethanol

There is some evidence for mutagenicity from studies in animals, in isolated cells taken from animals and plants, and in other microorganisms. Based on available data, the classification criteria are not met.

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There is no evidence for mutagenicity from studies in animals.

- Genetic toxicity in vitro

Ethanol

Туре	Test system	Concentration	Result
Ames test	Escherichia coli WP2 uvr A;		negative
	Salmonella typhimurium		_
	TA98, TA100, TA535,		
	TA1537		
	Based on available data, the c	lassification criteria	are not met.

Methanol

Туре	Test system	Concentration	Result
Ames test			negative
	Method: OECD Test Guideline 471.		

- Genetic toxicity in vivo

Ethanol

Based on available data, the classification criteria are not met.

Methanol

Route of exposure	Species	Exposure time	Result
			negative
	Method: OECD Test Gui	ideline 476.	_

- Teratogenicity

Ethanol

Route of exposure	Species	Exposure time
Oral	rat	
	Method: Literature. Based on available data, the classif	ication criteria are not met.

Methanol

Route of exposure	Species	Exposure time
		22/EEC, Annex V, B.31. observed at the doses tested.

- Toxicity to reproduction

Route of exposure	Species	Exposure time	
Oral	rat	28-day	
	Reproductive effects have been observed in animal studies.		

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Methanol

There is insufficient scientific evidence that this product can cause reproductive effects.

> Summarised evaluation of the CMR properties:

Ethanol

Carcinogenicity : Animal testing did not show any carcinogenic effects. Considered as a

suspected human carcinogen according to the American Conference of

Industrial Hygienists (ACGIH).

Mutagenicity : Experiments showed mutagenic effects in cultured bacterial cells.Based

on available data, the classification criteria are not met.

Teratogenicity : Experiments have shown reproductive toxicity effects on laboratory

animals.Ingestion of excessive amounts by pregnant animals resulted in maternal and foetal toxicity.Based on available data, the classification

criteria are not met.

Toxicity to reproduction : Experiments have shown reproductive toxicity effects in male and

female laboratory animals. Based on available data, the classification

criteria are not met.

Methanol

Carcinogenicity : Animal testing did not show any carcinogenic effects. Mutagenicity : Animal testing did not show any mutagenic effects.

Teratogenicity: Animal testing did not show any effects on foetal development.

Toxicity to reproduction : No toxicity to reproduction

Experiences made in practice:

Liver injury may occur. Ingestion causes, dependent on amounts, emotional liability to narcotic toxic effects.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Ethanol

	Effect	Exposure	Species	Value	
	dose	time			
Toxicity to fish	LC50	48 h	Leuciscus idus (golden orfe)	8,140 mg/l	
	Method	: Information	from IUCLID		
	Based of	on available c	lata, the classification criteria are not met.		
Toxicity to daphnia	EC50	48 h	Daphnia magna (water flea)	> 9,000 mg/l	
	Method: Information from IUCLID				
	Based on available data, the classification criteria are not met.				
Toxicity to algae	EC5	7 d	Scenedesmus quadricauda	5,000 mg/l	
			(algae)		
	Method: Literature.				
	Based on available data, the classification criteria are not met.				

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Toxicity to bacteria	EC5	16 h	Pseudomonas putida (bacteria)	6,500 mg/l
	Method: Information from IUCLID Based on available data, the classification criteria are not met.			

Methanol

• Methanol	•			
	Effect	Exposure	Species	Value
	dose	time	·	
Toxicity to fish	LC50	96 h	Pimephales promelas (fathead	28,100 mg/l
			minnow)	
	Method	: OECD Test	Guideline 203	
Toxicity to daphnia	EC50	48 h	Daphnia magna (water flea)	> 10,000 mg/l
	Method	: OECD Test	Guideline 202	
	Based of	on available d	lata, the classification criteria are not met.	
Toxicity to algae	EC5	8 d	Scenedesmus quadricauda	8,000 mg/l
			(algae)	
	Method	: OECD Test	Guideline 201	
	Based of	on available d	lata, the classification criteria are not met.	
Toxicity to bacteria	EC5	16 h	Pseudomonas putida	6,600 mg/l
(bacteria)				
	Based of	on available c	lata, the classification criteria are not met.	

12.2 Persistence and degradability:

Physico-chemical removability

Ethanol

The product can be degraded by abiotic (e.g. chemical or photolytic) processes.

Methanol

The product can be degraded by abiotic (e.g. chemical or photolytic) processes.

Chemical Oxygen Demand (COD)

Value	Method
> 999,999 mg/l	Tested according to Annex V of Directive 67/548/EEC.

Adsorbed organic bound halogens (AOX)

Product does not contain any organic halogens.

Biodegradation

_				
	Value	Exposure	Method	Evaluation
		time		
	94 %			
		According to readily biod		of tests of biodegradability this product is considered as being

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Methanol

Value	Exposure	Method	Evaluation
	time		
		Modified Sturm Test	
	Methanol is	expected to biodegrade i	n soil and water rapidly.

Biochemical Oxygen Demand (BOD)

Ethanol

Concentration	Incubation	Value	Method
	time		
	5 d	1.58 mg/l	Literature.

Methanol

Concentration	Incubation time	Value	Method
		ca. 1,000 mg/g	Tested according to Annex V of Directive 67/548/EEC.

12.3 Bioaccumulative potential:

Partition coefficient (n-octanol/water)

Value	рН	°C	Method	
log Pow: -0.300				

Bioconcentration factor (BCF)

Ethanol

Value	Species	Method
3		Literature.
	Bioaccumulation is unlikely.	

Methanol

Value	Species	Method
0.2		Literature.
	Accumulation in aquatic organisms is unlikely.	

12.4 Mobility in soil:

Ethanol

No information available.

Methano

This product will show high soil mobility and will be degraded from the ambient atmosphere by the reaction with photochemically produced hydroxyl radicals with an estimated half-life of 17.8 days.

Henry's constant

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Ethanol

Value	Temperature	Method
0.000005 hPa		No information available.

Methanol

Value	Temperature	Method
13.68 hPa		Information from IUCLID

Transport between environmental compartments

Ethanol

The product evaporates readily. Transport between environmental compartments can be expected.

Methanol

Transport between environmental compartments can be expected.

12.5 Results of PBT and vPvB assessment:

Ethanol

This product does not meet the criteria concerning PBT or vPvB substances as described in Annex XIII of the REACH regulation (1907/2006 EC)

Methanol

This product does not meet the criteria concerning PBT or vPvB substances as described in Annex XIII of the REACH regulation (1907/2006 EC)

12.6 Other adverse effects:

This preparation does not contain any ingredient that is classified as hazardous to the environment according to European Directives and corresponding national legislation.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Waste disposal should be in accordance with existing federal, state and local environmental control laws. Discharge to sewer may require approval of permitting authority and may require pretreatment.

Empty containers.

Recondition or dispose of empty container in accordance with governmental regulations.

US. RCRA Hazardous Waste Classification (40 CFR 261)

When discarded in its purchased form, this product meets the criteria of ignitability, and should be managed as a hazardous waste (EPA Hazardous Waste Number D001).

SECTION 14. TRANSPORT INFORMATION

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CFR_ROAD

UN-No : 1170

Proper shipping name : Ethanol solutions

Class Packing group : II Labelling No. : 3

CFR RAIL

UN-No : 1170
Proper shipping name : Ethanol solutions

Class Packing group : II Labelling No. : 3

CFR INWTR

UN-No : 1170

Proper shipping name : Ethanol solutions

Class : 3 : II Packing group Labelling No. : 3

US RSPA/DOT Hazardous Substances List

: Reportable quantity: 100 lbs Ethanol

TDG ROAD

UN-No : 1170

Proper shipping name : ETHANOL SOLUTION

Class : 3 Packing group Labelling No. : 11 : 3

TDG RAIL

UN-No : 1170

Proper shipping name : ETHANOL SOLUTION

Class
Packing group
Labelling No. : 3 : 11 Labelling No. : 3

TDG INWTR

UN-No : 1170

Proper shipping name : ETHANOL SOLUTION

Class : 3 Packing group : II Labelling No. : 3

IMO / IMDG

UN-No : 1170

Proper shipping name : ETHANOL SOLUTION

Class : 3 Packing group : 11 Labelling No. 3

REG NOAM 17/20 ΕN

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



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EmS : F-E, S-D Marine pollutant : No

ICAO / IATA cargo aircraft only

UN-No : 1170

Proper shipping name : Ethanol solution

Class : 3
Packing group : II
Labelling No. : 3
Packing instruction : 364

ICAO / IATA passenger and cargo aircraft

UN-No : 1170

Proper shipping name : Ethanol solution

Class : 3
Packing group : II
Labelling No. : 3
Packing instruction : 353

SECTION 15. REGULATORY INFORMATION

US. Toxic Substances Control Act (TSCA)

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substance Control Act (U.S, EPA TSCA) inventory.

US. OSHA Classification

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

US. SARA 311/312 Hazard Categories

Acute Health Hazard, Chronic Health Hazard Fire Hazard.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Methanol
De minimis concentration: 1.0 %
Reportable threshold: 10,000 lbs
Reportable threshold: 25,000 lbs

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Ethanol
Methanol
Reportable quantity: 100 lbs
Reportable quantity: 5,000 lbs

US. California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

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According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



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State Right-to-Know Information

The following chemicals are specifically listed by individual states. Other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

	CAS-No.		Concentration [%]		
Ethanol	64-17-5	>= 80.0	-	<= 100.0	
 Methanol 	67-56-1	>= 1.0	-	<= 5.0	

US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

		<u>CAS-No.</u>		Concentration [%]		
•	Ethanol	64-17-5	>= 80.0	-	<= 100.0	
•	Methanol	67-56-1	>= 1.0	-	<= 5.0	

US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

	<u>CAS-No.</u>		Concentration [%]		
 Ethanol 	64-17-5	>= 80.0 -	<= 100.0		
 Methanol 	67-56-1	>= 1.0 -	<= 5.0		

US. Rhode Island Hazardous Substances Right-to-Know Act (R.I. Gen. Laws Section 28-21-1 et. seq.)

		<u>CAS-No.</u>		Concentration [%]		
•	Ethanol	64-17-5	>= 80.0 -	<= 100.0		
•	Methanol	67-56-1	>= 1.0 -	<= 5.0		

US. Massachusetts, New Jersey, Pennsylvania or Rhode Island Right to Know Substance Lists: See Section 2.

Canadian WHMIS Classification

B2 : Flammable Liquid

D2B : Toxic Material Causing Other Toxic Effects

Canadian Environmental Protection Act (CEPA)

All other ingrediants are either on the TSCA list or exempt from being listed.

SECTION 16. OTHER INFORMATION

Text of H-phrases referred to under headings 2 and 3:

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H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H370 Causes damage to organs.

This MSDS is replacing Agfa MSDS number 661T

This product is not manufactured by Agfa. The information disclosed in this Safety Data Sheet has been provided by the manufacturer. This information is furnished without warranty, expressed or implied, and is believed to be accurate to the best knowledge of Agfa Corporation. The data on this SDS relates only to the specific material designated herein. Agfa Corporation assumes no legal responsibility for use or reliance upon these data. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

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