

Printing date 08/07/2019

Version number 60

Reviewed on 08/07/2019

1 Identification

- · Product identifier
 - · Product number PD1/009
 - Trade name: **BLACK ANTIQUING STAIN-MANUEL REMOVE** • Application of the substance / the mixture For professional use

· Details of the supplier of the safety data sheet

 Manufacturer/Supplier: IVM Chemicals srl Viale della Stazione 3 -27020 Parona (PV) Italy tel +39 038425441

1.3.2 Importer Name I.C.& S. DISTRIBUTING CO. Address P.O.BOX 10845 LANCASTER. PA USA E-Mail: nelson@ics-company.com

- Information department: Environmental Health and safety office hseoffice @ivmchemicals.com
- Emergency telephone number: ChemTel Expert Assistance Hotline/MSDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

2 Hazard(s) identification

· Classification of the substance or mixture

GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



Skin Irrit. 2 H315 Causes skin irritation.Eye Irrit. 2A H319 Causes serious eye irritation.STOT SE 3 H336 May cause drowsiness or dizziness.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms



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· Signal word Danger		
· Hazard-determining components of labeling:		
toluene		
acetone		
Distillates (petroleum), hydrotreated light paraffinic		
xylene		
Hazard statements		
H225 Highly flammable liquid and vapor. H315 Causes skin irritation.		
H319 Causes serious eye irritation.		
H361 Suspected of damaging fertility or the unborn child.		
H336 May cause drowsiness or dizziness.		
H350 May cause drowsness of dizziness. H373 May cause damage to organs through prolonged or repeated exposure.		
H304 May be fatal if swallowed and enters airways.		
· Precautionary statements		
P210 Keep away from heat/sparks/open flames/hot surfaces No smoking.		
P301+P310 If swallowed: Immediately call a poison center/doctor.		
P321 Specific treatment (see on this label).		
P331 Do NOT induce vomiting.		
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. R skin with water/shower.	inse	
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Rem contact lenses, if present and easy to do. Continue rinsing.	ove	
P362+P364 Take off contaminated clothing and wash it before reuse.		
P405 Store locked up.		
P501 Dispose of contents/container in accordance with local/regional/national regulations.	nal/	
· Classification system:		
· NFPA ratings (scale 0 - 4)		
Health = 2		
Fire = 3		
2 0 Reactivity = 0		
· HMIS-ratings (scale 0 - 4)		
HEALTH2Health = 2FIRE \mathbf{E} \mathbf{E}		
FIRE 3 Fire = 3 REACTIVITY 0 Reactivity = 0		

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture: consisting of the following components.

64-17-5	ethanol	50-74.99%
	 Flam. Liq. 2, H225 Eye Irrit. 2A, H319 	
108-88-3	toluene Flam. Liq. 2, H225 Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304 Skin Irrit. 2, H315; STOT SE 3, H336 Aquatic Chronic 3, H412	12.5-15%

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		(Contd. of page 2)
67-64-1	acetone	5-9.99%
	 ♦ Flam. Liq. 2, H225 ♦ Eye Irrit. 2A, H319; STOT SE 3, H336 	
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic	0.5-1%

4 First-aid measures

· Description of first aid measures

- · General information:
 - Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

personal protective equipment for first aid responders is recommended. (please see section 8) \cdot *After inhalation:*

- In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact:
- Immediately wash with water and soap and rinse thoroughly.

Take off immediately all contaminated clothing, include underwear and shoes (if necessary). Rinse thoroughly with plenty of water for at least 20 minutes and take medical advise. If medical advise is needed have products container or label at hand.

• After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist , consult a doctor.

· After swallowing: Do not induce vomiting; immediately call for medical help.

• Information for doctor:

- Most important symptoms and effects, both acute and delayed For symptoms and effects caused by substances, refer to Section 11. No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

· Extinguishing media

- · Suitable extinguishing agents: Alcohol resistant foam, CO, powder, water spray/mist.
- · For safety reasons unsuitable extinguishing agents:
- Do not use a jet water stream as it may scatter and spread fire.
- Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- Advice for firefighters

Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health and also, in the case of closed containers exposed to flames to prevent explosions.

· Protective equipment:

Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.

6 Accidental release measures

• Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.

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Wear prote	ective equipment. Keep unprotected persons away.	(Contd. of page
	equate ventilation	
Keep away	, from ignition sources	
	ental precautions: Do not allow to enter sewers/ surface or ground wate	r.
	and material for containment and cleaning up: h liquid-binding material (sand, diatomite, acid binders, universal binders,	a average (
	ontaminated material as waste according to Section 13.	sawuusi).
	equate ventilation.	
Reference	to other sections	
	n 7 for information on safe handling.	
	n 8 for information on personal protection equipment. n 13 for disposal information.	
	Action Criteria for Chemicals	
· PAC-1:		
108-88-3	toluene	67 ppm
67-64-1	acetone	200 ppi
67-63-0	propan-2-ol	400 ppi
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
1330-20-7	xylene	130 ppi
123-86-4	n-butyl acetate	5 ppm
· PAC-2:		
108-88-3	toluene	560 ppm
67-64-1	acetone	3200* ppi
67-63-0	propan-2-ol	2000* ppi
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppr
1330-20-7	xylene	920* ppm
123-86-4	n-butyl acetate	200 ppm
· PAC-3:		
108-88-3	toluene	3700* ppm
67-64-1	acetone	5700* ppm
67-63-0	propan-2-ol	12000** ppi
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
1330-20-7		2500* ppm
400.00.4	n-butyl acetate	3000* ppm

7 Handling and storage

· Handling:

Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
Protect against electrostatic charges.
Keep respiratory protective device available.
Use explosion-proof apparatus / fittings and spark-proof tools.
Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

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Conditions for safe storage, including any incompatibilities

Keep respiratory protective device available.

- · Storage:
 - Requirements to be met by storerooms and receptacles:
 - Store in a cool, well-ventilated area, away from heat and sources of ignition Provide solvent resistant, sealed floor.
 - Observe the label precautions, the expiration date for the use, if not indicated, is from delivery date of goods.
 - In cases where there is no reported expiration date , it means that the product must be used within 8 months.
 - · Information about storage in one common storage facility: Not required.
 - Further information about storage conditions: Keep receptacle tightly sealed.
 - Store in cool, dry conditions in well sealed receptacles.
- Specific end use(s) Those typical of the product and the instructions in the data sheet if required.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

- · Control parameters
 - Components with limit values that require monitoring at the workplace: The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

At this t	ime, the other constituents have no known exposure limits.
67-64-1 ac	etone
PEL (USA)	Long-term value: 2400 mg/m³, 1000 ppm
REL (USA)	Long-term value: 590 mg/m³, 250 ppm
TLV (USA)	Short-term value: 1187 mg/m ³ , 500 ppm
	Long-term value: 594 mg/m³, 250 ppm BEI
	1-2.
	ngredients with biological limit values:
108-88-3 te	
BEI (USA)	
	Medium: blood Time: prior to last shift of workweek
	Parameter: Toluene
	0.03 mg/L
	Medium: urine
	Time: end of shift
	Parameter: Toluene
	0.3 mg/g creatinine
	Medium: urine
	Time: end of shift
	Parameter: o-Cresol with hydrolysis (background)
67-64-1 ac	etone
BEI (USA)	
	Medium: urine
	Time: end of shift
	Parameter: Acetone (nonspecific)
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Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

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Chemicals

· Personal protective equipment:

• General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or skin contact.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• Protection of hands:



Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The glove material has to be impermeable and resistant to the product .

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

Information on basic physical and · General Information	chemical properties	
· Appearance:		
· Form:	Fluid	
· Color:	According to product specification	
· Odor:	Characteristic	
• Odor threshold:	Not determined.	
· pH-value:	Not determined.	
· Change in condition		
• Melting point/Melting range:	Undetermined.	
· Boiling point/Boiling range:	56 °C (132.8 °F)	
· Flash point:	-17 °C (1.4 °F)	



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· Flammability (solid, gaseous):	Not applicable.	
· Ignition temperature:	425 °C (797 °F)	
· Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product is not explosive. However, formation of explo air/vapor mixtures are possible.	osiv
· Explosion limits:		
Lower:	1.2 Vol %	
· Upper:	15 Vol %	
· Vapor pressure at 20 °C (68 °F):	233 hPa (174.8 mm Hg)	
• Density (+/- 0,03) at 20 °C (68 °F):	0.836 g/cm³ (6.976 lbs/gal)	
· Relative density	Not determined.	
· Vapor density	Not determined.	
• Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
· Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/wate	er): Not determined.	
· Viscosity:		
· Dynamic:	Not determined.	
· Kinematic at 20 °C (68 °F):	29 s (ISO 3 mm)	
· Oxidising properties:	N.A.	
· Solvent content:		
• Water:	0.1 %	
· VOC content:	80.83 %	
	675.7 g/l / 5.64 lb/gal	
· Solids content:	12.1 %	
Other information (HAPS)	No further relevant information available.	
108-88-3 toluene	12.5-	
1330-20-7 xylene	<0.59	
100-41-4 ethylbenzene	<0.19	%
Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity typical of the product as indicated in the data sheet

• Chemical stability The product is stable in normal conditions of storage and use recommended • Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Possibility of hazardous reactions

Reacts with strong acids and oxidizing agents.

Vapours may form explosive mixtures with air

- · Conditions to avoid No further relevant information available.
- \cdot Incompatible materials: No further relevant information available.
- · Hazardous decomposition products:

in case of possible formation of combustion:

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Carbon monoxide and carbon dioxide

11 Toxicological information

Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:		
64-17-5 ethanol		
Oral	LD50	10,470 mg/kg (mouse)
Dermal	LD50	20,000 mg/kg (rabbit)
Inhalative	LC50/4 h	124.7 mg/l (mouse)
108-88-3	toluene	
Oral	LD50	5,000 mg/kg (mouse)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	25.7 mg/l (mouse)
67-64-1 acetone		
Oral	LD50	5,800 mg/kg (mouse)
Dermal	LD50	20,000 mg/kg (rabbit)
Inhalative	LC50/4 h	76 mg/l (mouse)
1330-20-7 xylene		·
Oral	LD50.	3,523 mg/kg (mouse)
Dermal	LD50.	12,126 mg/kg (rabbit)
Inhalative	LC50/4h.	27.571 mg/l (mouse)

· Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

· on the eye: Irritating effect.

· Sensitization: No sensitizing effects known.

• Additional toxicological information:

Irritant

Causes skin irritation.

Causes serious eye irritation.

Suspected of damaging the unborn child.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

· Carcinogenic categories

Carbon Black

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to carbon black but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as paint."

Ethylbenzene

From IARC MONOGRAPHS VOLUME 77/2000

Human carcinogenicity data

Two studies of workers potentially exposed to ethylbenzene in a production plant and a styrene polymerization plant were available. In the first study, no excess of cancer incidence was found but the description of methods was insufficient to allow proper evaluation of this finding. In the second study, no cancer mortality excess was observed during the follow-up of 15 years.

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2B

Evaluation

There is inadequate evidence in humans for the carcinogenicity of ethylbenzene. There is sufficient evidence in experimental animals for the carcinogenicity of ethylbenzene.

· IARC (International Agency for Research on Cancer - Cl. 1 and 2)

100-41-4 ethylbenzene

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Toxicity		
• Aquatic t	oxicity:	
64-17-5 eth	anol	
EC50	5,012 mg/l (daphnia) (48 h)	
LC50 (96h)	15.3 mg/l (Fish)	
108-88-3 to	luene	
EC50	134 mg/l (algae) (96 h)	
	3.78 mg/l (daphnia) (48 h)	
LC50 (96h)	5.5 mg/l (Fish)	
67-64-1 ace	tone	
EC50	8,800 mg/l (daphnia)	
	5,540 mg/l (Fish)	
1330-20-7		
EC50	2.2 mg/l (algae) (72h)	
LC50 48h 1 mg/l (daphnia)		
LC50 (96h) 2.6 mg/l (Fish)		
	e and degradability	
	to the substance Toluene CAS No. 108-88-3 legradable (according to OECD criteria and/or EU RAR)	
-	es Easily biodegradable	
64-17-5 e	• •	
108-88-3 to		
67-64-1 a		
	n environmental systems:	
	nulative potential No further relevant information available.	
• Mobility	in soil No further relevant information available.	
	ecological information:	
· General i Water h	notes: azard class 2 (Self-assessment): hazardous for water	
	llow product to reach ground water, water course or sewage system.	
	o drinking water if even small quantities leak into the ground.	

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⁻ ICS

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Waste treatment methods		
· Recommendation:		
	with household garbage. Do not allow produc	ct to r
sewage system.		
Hand over to hazardous waste dispo		0.0
	n accordance with local state and federal regulation	ons.
Uncleaned packagings:	made according to official regulations.	
· Kecommendation: Disposal must be	made according to onicial regulations.	
Transport information		
UN-Number		
	NA1263	
· IMDG, IATA	UN1263	
UN proper shipping name		
	Paint	
· IMDG, IATA	PAINT	
Transport hazard class(es)		
·DOT		
FLAMMABLE LOUD		
3		
· Class	3 Flammable liquids	
· Label	3	
· Class	3 Flammable liquids	
· Label	3	
· IMDG, IATA		
3		
· Class	3 Flammable liquids	
· Label	3	
Packing group	11	
· DOT, IMDG, IATA	11	
Environmental hazards:	Ma	
· Marine pollutant:	No	
Special precautions for user	Warning: Flammable liquids	
• Danger code (Kemler): EMS Number:	33 E E S E	
· EMS Number:	<i>F-E,<u>S-E</u> В</i>	
· Stowage Category		
Transport in bulk according to Anne MARPOL73/78 and the IBC Code	x II of Not applicable.	



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· Transport/Additional information:	
· IMDG	
· Limited quantities (LQ)	5L
\cdot Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging:
	500 ml
IN Madel Devulation "	

· UN "Model Regulation":

UN 1263 PAINT, 3, II

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

Requirements of Federal Register

· SARA

None of the ingredients is listed.

· Section 31	3 (Specific toxio	chemical	listings) :
--------------	-------------------	----------	-------------

108-88-3		12.5-15%	
		0.5-1%	
78-93-3	butanone	0.5-1%	
1330-20-7	-	<0.5%	
100-41-4	ethylbenzene	<0.1%	

• TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

Hazardous Air Pollutants
 108-88-3 toluene

1330-20-7 xylene

100-41-4 ethylbenzene

· Proposition 65

- Chemicals known to cause cancer: Carbon black only in bound form
- 100-41-4 ethylbenzene
 - Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

64-17-5 ethanol

108-88-3 toluene

· Carcinogenic categories

· EPA	(Environmental Protection Agency)		
108-88-3	toluene		12.5-15%
	()	Cont	d. on page 12)

<0.1%

50-74.99%

12.5-15%



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 	0.5 <0	9.99% 5-1% 0.5% 0.1%
I I D	<0).5%).1%
I D		0.1%
D	<0	
		A3
toluene		A
67-64-1 acetone		A
67-63-0 propan-2-ol		A
		A
		A

· National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: IVM Chemicals Srl

· Contact: See emergency phone

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	Abbreviations and acronyms:
	IMDG: International Maritime Code for Dangerous Goods
	DOT: US Department of Transportation
	IATA: International Air Transport Association
	ACGIH: American Conference of Governmental Industrial Hygienists
	EINECS: European Inventory of Existing Commercial Chemical Substances
	ELINCS: European List of Notified Chemical Substances
	CAS: Chemical Abstracts Service (division of the American Chemical Society)
	NFPA: National Fire Protection Association (USA)
	HMIS: Hazardous Materials Identification System (USA)
	VOC: Volatile Organic Compounds (USA, EU)
	LC50: Lethal concentration, 50 percent
	LD50: Lethal dose, 50 percent
	NIOSH: National Institute for Occupational Safety
	OSHA: Occupational Safety & Health
	TLV: Threshold Limit Value
	PEL: Permissible Exposure Limit
	REL: Recommended Exposure Limit
	BEI: Biological Exposure Limit
	Flam. Liq. 2: Flammable liquids – Category 2
	Skin Irrit. 2: Skin corrosion/irritation – Category 2
	Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
	Repr. 2: Reproductive toxicity – Category 2
	STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
	STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
	Asp. Tox. 1: Aspiration hazard – Category 1
	Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
•	Sources
	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE
	COUNCIL and following amendments

Agency ECHA web site

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> INRS Fiche Toxicologique IARC International agency for research on cancer

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