

PRODUCT NAME: Rear View Mirror Adhesive ABRO
PRODUCT NUMBER/SIZE: RV-03-R / 0.1 oz.

Revision Date: 02/01/2024

SECTION 1 Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.

ADDRESS: 3580 Blackthorn Drive
South Bend, IN 46628
USA

PRODUCT DESCRIPTION: Adhesive (Part A)

COMPANY PHONE: 574-232-8289

EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2 Hazards Identification

Classification:

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Skin sensitization Category 1

Specific target organ toxicity (single exposure) Category 3

Label Pictogram(s):



Signal Word: **WARNING**

Hazard Phrases: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation.

Precautionary Phrases: Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area

Response: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse

If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

Storage / Disposal: Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container to an approved waste disposal plant.

Other: Keep out of reach of children.

Hazards not otherwise classified (HNOC) None

Other Information Unknown acute toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 3 Composition/Information on Ingredients

Chemical Name	CAS No	Weight-%	Trade Secret	Classification (Reg. 1272/2008)
Isobornyl Acrylate	5888-33-5	25-39	*	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
2-Hydroxyethyl methacrylate	868-77-9	25-39	*	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1 (H317)
tert-Butyl Perbenzoate	614-45-9	1-3	*	Org. Perox C (H242) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)
Organic Acid	Proprietary	1-3	*	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)
Maleic Acid	110-16-7	1-3	*	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2A (H319) STOT SE 3 (H335) Aquatic Acute 3 (402)
Silane Coupling Agent	Proprietary	<1	*	Skin Sens. 1 (H317)
Epoxy Resin	Proprietary	<1	*	Skin Irrit. 3 (H316) Eye Irrit. 2B (H320) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)

Remaining ingredients are not considered hazardous in accordance with the Globally Harmonized System (GHS)

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 First Aid Measures

First aid measures
General advice

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Eye contact

Flush eyes with water for at least 15 minutes. Get medical attention if eye irritation develops or persists.

Skin Contact

Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.

Inhalation

Remove to fresh air, If symptoms persist, call a physician.

Ingestion

If swallowed, Rinse mouth, Get medical attention.

Self-protection of the first aider

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

Main Symptoms

No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

SECTION 5
Fire Fighting Measures

Suitable extinguishing media

Use CO₂, dry chemical, or foam.

Unsuitable extinguishing media

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

Specific hazards arising from the chemical

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Hazardous combustion products

Hazardous decomposition products due to incomplete combustion.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, Wear protective gloves/clothing and eye/face protection.

Environmental precautions

Environmental precautions

Do not allow material to contaminate ground water system, Try to prevent the material from entering drains or water courses, See Section 12 for additional Ecological Information, Local authorities should be advised if significant spillages cannot be contained.

Other Information

See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7 Handling and Storage

Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice

Ensure adequate ventilation

Protect from light

Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a dry and well-ventilated place

Protect from light

Incompatible products

Amines, Strong oxidizing agents, Strong acids, Strong bases, Oxygen scavengers, Thiosulfates.

SECTION 8 Exposure Controls/Personal Protection

Control parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Appropriate engineering controls

Engineering Measures

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses with side-shields, If splashes are likely to occur, wear:, Goggles.

Skin and body protection

Wear protective gloves and protective clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required, Do not breathe vapors, mist or gas.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Wear suitable gloves and eye/face protection, Wash hands before breaks and at the end of workday, Regular cleaning of equipment, work area and clothing is recommended.

**SECTION 9
Physical and Chemical Properties**

Information on basic physical and chemical properties

Physical state	liquid (gel)		
Appearance	translucent		Odor Characteristic
Color	light yellow		Odor threshold No information available
Property		Values	Remarks / • Method
pH			No information available
Melting point / freezing point			No information available
Flash point		101 °C / 213 °F	
Evaporation rate			No information available
Flammability (solid, gas)			No information available
Flammability Limit in Air			
Upper flammability limit		–	
Lower flammability limit		–	
Vapor pressure			No information available
Vapor density			No information available
Specific Gravity			No information available
Water Solubility		Practically insoluble	
Solubility in other solvents			No information available
Partition coefficient: n-octanol/water			No information available
Autoignition temperature			No information available
Decomposition temperature			No information available
Dynamic viscosity		30,000 cP	
Kinematic viscosity			No information available
Explosive properties			No information available
Oxidizing properties			No information available
Other Information			
Softening point		No information available	
VOC Content (%)		1.66571998596191	
Density		No information available	
Bulk density		No information available	

**SECTION 10
Stability and Reactivity**

Reactivity

No information available

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Protect from light. Heat, flames and sparks.

Incompatible materials

Amines, Strong oxidizing agents, Strong acids, Strong bases, Oxygen scavengers.

Hazardous Decomposition Products

No decomposition if stored and applied as directed.

SECTION 11
Toxicological Information

Information on toxicological effects

Acute toxicity

Information on likely routes of exposure

Inhalation	There is no data for this product
Eye contact	There is no data for this product
Skin Contact	There is no data for this product
Ingestion	There is no data for this product
Symptoms	No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	May cause sensitization of susceptible persons.
Mutagenic effects	No information available.
Reproductive toxicity	No information available.
Carcinogenicity	Contains no ingredients above reportable quantities listed as a carcinogen.

STOT - single exposure .

Target Organ Effects	Respiratory system.
Aspiration hazard	No information available.
Other adverse effects	No information available.
Chronic toxicity	Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

Numerical measures of toxicity - Product Information

0 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)	7204 mg/kg
ATEmix (dermal)	13754 mg/kg
ATEmix (inhalation-dust/mist)	6.8
ATEmix (inhalation-vapor)	393 mg/l

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isobornyl Acrylate	= 4890 mg/kg (Rat)	> 5 g/kg (Rabbit)	
2-Hydroxyethyl methacrylate	= 5050 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	

tert-Butyl Perbenzoate	= 4838 mg/kg (Rat)	= 3,817 mg/kg (Rabbit)	
Organic Acid	= 2969 mg/kg (Rat)		
Maleic Acid	= 708 mg/kg (Rat)	= 1560 mg/kg (Rabbit)	> 720 mg/m ³ (Rat) 1 h
Silane Coupling Agent	> 5000 mg/kg (Rat)		
Epoxy Resin	= 11400 mg/kg (Rat)		

SECTION 12 Ecological Information

Ecotoxicity

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Acute aquatic toxicity

Product Information

Testing for acute and chronic aquatic effects determined no environmental classification is required.

Component Information

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Isobornyl Acrylate	ErC 50 = 2.7 mg/L 96 h (Pseudokirchneriella subcapitata)	LC50 = 1.8 mg/L 96 h (Danio rerio)	EC 50 = 1.1 mg/L 48 h (Daphnia magna)
2-Hydroxyethyl methacrylate	-	LC50 = 227 mg/L 96 h (Pimephales promelas)	EC50 > 380 mg/l 48 h (Daphnia magna)
tert-Butyl Perbenzoate	EC50 1.3 mg/l 72 h (Pseudokirchneriella subcapitata)	LC50 1.6 mg/l 96 h (Brachydanio rerio)	EC50 11 mg/L 48 h (Daphnia magna)
Organic Acid	EC50 47 mg/L 72 h (Desmodesmus subspicatus)	LC50 190 mg/L 24 h (Salmo gairdneri)	EC 480 mg/L 48 h (Daphnia magna)
Maleic Acid	-	LC50= 5 mg/L 96 h (Pimephales promelas)	EC50 250-400 48 h (Daphnia magna)
Silane Coupling Agent	EC50 > 536,00 mg/l 72 h (Scenedesmus subspicatus)	LC50 > 1024,00 mg/l 96 h (Brachydanio rerio)	EC50 > 876,00 mg/l 48 h (Daphnia magna)
Epoxy Resin	-	-	EC50 = 1.4 mg/L 48 h (Daphnia magna)

Persistence and degradability

No information available.

Bioaccumulation

Component Information

Chemical Name	log Pow
Isobornyl Acrylate	4.21
2-Hydroxyethyl methacrylate	0.47
tert-Butyl Perbenzoate	3
Organic Acid	-0.4
Maleic Acid	-0.79 - 0.32
Epoxy Resin	2.821

Mobility in soil

No product level data available.

SECTION 13 Disposal Considerations

Waste treatment methods

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a

hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging

Dispose of in accordance with local regulations.

**SECTION 14
Transport Information**

DOT	Not regulated
ICAO/IATA	Not regulated
IMDG/IMO	Not regulated

**SECTION 15
Regulatory Information**

International Inventories

TSCA	Complies
AICS	Not listed
DSL/NDSL	Not listed
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
NZIoC	Not listed
PICCS	Not listed
TCSI	Not listed

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- AICS - Australian Inventory of Chemical Substances
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- NZIoC - New Zealand Inventory of Chemicals
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- TCSI - Taiwan Chemical Substance Inventory

US Federal Regulations

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic Health Hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Maleic Acid	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
tert-Butyl Perbenzoate	X	X	X
Maleic Acid	X	X	X
tert-Butyl hydroperoxide	X	X	X

**SECTION 16
Other Information**

We believe all information given is accurate. It is offered in good faith but without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"	BT="BETWEEN"
<="LESS THAN"	>="GREATER THAN"
ND = Not Determined	NA = Not Applicable

PRODUCT NAME: Rear View Mirror Adhesive ABRO
PRODUCT NUMBER/SIZE: RV-03 / .01 oz.

Revision Date: 02/01/2024

SECTION 1 Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.
ADDRESS: 3580 Blackthorn Drive
South Bend, IN 46628
USA
PRODUCT DESCRIPTION: Activator (Part B)
COMPANY PHONE: 574-232-8289
EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2 Hazards Identification

Classification:

Flam. Liq. 2 Highly flammable liquid and vapor.
Eye Irrit. 2A Causes serious eye irritation.
STOT SE 3 May cause drowsiness or dizziness.

Label Pictogram(s):



Signal Word: DANGER

Hazard Phrases: Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary Phrases: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Keep container tightly closed. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves, eye protection, face protection. Wear eye protection / face protection. Ground/bond container and receiving equipment. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Take precautionary measures against static discharge. Wash face, hands and any exposed skin thoroughly after handling.

Response: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Remove person to fresh air and keep comfortable for breathing. Call a POISON

CENTER/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. In case of fire: Use for extinction: CO2, powder or water spray. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international regulations.

Storage / Disposal: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international regulations.

Other: Keep out of reach of children.

SECTION 3 Composition/Information on Ingredients

Chemical Name	CAS No	Weight-%	Trade Secret	Classification (Reg. 1272/2008)
Isopropanol	67-63-0	90-100	*	Flam. Liq. 2, H225; Eye Irrit. 2A, H319; STOT SE 3, H336
Metal Salt Complex	1338-02-9	1-5	*	Flam. Liq. 3, H226; Acute Tox. 4, H302

Remaining ingredients are not considered hazardous in accordance with the Globally Harmonized System (GHS)

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 First Aid Measures

Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally, the product does not irritate the skin.

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

After swallowing: If symptoms persist consult doctor.

Information for doctor:

-Most important symptoms and effects, both acute and delayed

No further relevant information available.

-Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5 Fire Fighting Measures

Extinguishing media

-Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. CO2, sand, extinguishing powder. Do not use water.

-For safety reasons unsuitable extinguishing agents: Water with full jet

-Special hazards arising from the substance or mixture No further relevant information available.

-Advice for firefighters

Protective equipment:
Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Wear protective clothing.

Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
Dispose of the collected material according to regulations.

Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7 Handling and Storage

Handling:
-Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store in a cool location.
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) No further -----relevant information available.

SECTION 8 Exposure Controls/Personal Protection

Exposure controls/personal protection
Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit value that require monitoring at the workplace.

67-63-0 Isopropanol

PEL Long-term value: 980 mg/m³, 400 ppm

REL Short-term value: 1225 mg/m³, 500 ppm

Long-term value: 980 mg/m³, 400 ppm

TLV Short-term value: 984 mg/m³, 400 ppm

Ingredients with biological limit values:

67-63-0 isopropanol BEi 40 mg/L

Medium: urine

Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

· 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.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

-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

The glove material has to be impermeable and resistant to the product / the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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 cannot be calculated in advance and has therefore to be checked prior to the application.

Nitrite rubber, NBR

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

Body protection:

Protective work clothing

SECTION 9 Physical and Chemical Properties

Information on basic physical and chemical properties

-	General Information	
-	Appearance:	
Form:		Liquid
Color:		Colorless
Odor:		Alcohol-like
Odor Threshold:		Not determined
pH value:		Not determined
Melting point/boiling point:		-89.5 °C (-129 °F)
Boiling point/boiling range:		82 °C (180 °F)
Flash Point:		13 °C (55 °F)
Flammability (solid, gaseous):		Not applicable
Ignition temperature:		425 °C (797 °F)
Decomposition temperature:		Not determined
Auto igniting:		Product is not self-igniting
Danger of explosion:		Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Explosion Limits		
Lower:		2 Vol %
Upper:		12 Vol %
Vapor pressure at 20 °C (68 °F):		43 hPa (32 mm Hg)
Density at 20 °C (68 °F):		0.7876 g/cm ³ (6.573 lbs/gal)
Relative density:		Not determined
Vapor density:		Not determined
Evaporation rate:		Not determined
Solubility in I Miscibility with		
Water at 20 °C (68 °F):		1 g/l
Partition coefficient (n-octanol/water):		Not determined
Viscosity:		
Dynamic at 20 °C (68 °F):		1 mPas
Kinematic:		Not determined
Solvent content:		
Organic solvents:		98.8%
VOC content:		98.8%
		778.1 g/l / 6.49 lb/gl
Other information:		No further relevant information available

SECTION 10 Stability and Reactivity

Reactivity No further relevant information available.

-Chemical stability

· Thermal decomposition I conditions to be avoided: No decomposition if used according to specifications.

-Possibility of hazardous reactions No dangerous reactions known.

-Conditions to avoid No further relevant information available.

-Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11 Toxicological Information

Information on toxicological effects

-Acute toxicity:

-LD/LC50 values that are relevant for classification:

67-63-0 Isopropanol
Oral LD50 5045 mg/kg (rat)
Dermal LD50 12800 mg/kg (rabbit)

Inhalative LC50/4 h 30 mg/l (rat)
1338-02-9 Metal Salt Complex
Oral LD50 7500 mg/kg (rat)
Dermal LD50 >5000 mg/kg (rabbit)
Inhalative LC50/4 h 3 mg/l rat

Primary irritant effect:
on the skin: No irritant effect.
on the eye: Irritating effect.
Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

Carcinogenic categories

· IARC (International Agency for Research on Cancer)
67-63-0 isopropanol

- NTP (National Toxicology Program) None of the ingredients is listed.

SECTION 12 Ecological Information

-Toxicity

-Aquatic toxicity: No further relevant information available.

-Persistence and degradability No further relevant information available.

-Behavior in environmental systems:

-Bioaccumulative potential No further relevant information available.

-Mobility in soil No further relevant information available.

-Ecotoxicological effects:

-Remark: Harmful to fish

-Additional ecological information:

-General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

SECTION 13 Disposal Considerations

Waste treatment methods:

-Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging's:

-Recommendation: Disposal must be made according to official regulations.

SECTION 14 Transport Information

DOT	Not regulated as a dangerous good
ICAO/IATA	Not regulated as a dangerous good
IMDG/IMO	Not regulated as a dangerous good

SECTION 15 Regulatory Information

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

·Sara

·Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

All ingredients are listed.

-Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

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:

None of the ingredients is listed.

Carcinogenic categories

-EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

67-63-0 isopropanol

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

SECTION 16 Other Information

We believe all information given is accurate. It is offered in good faith but without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable