

# Safety Data Sheet



## 1. IDENTIFICATION

**Product Name:** U.S. Art Supply Opaque Acrylic Airbrush Paint Set Primary Colors (Deep Black, White, Bright Yellow, Grass Green, Pure Pink, Bright Red, Deep Purple, Orange, Coffee Brown, Hot Pink, Sapphire Blue and Flesh)

**Material uses:** Airbrushing, Painting and decorating

**Supplier Address:** U.S. Art Supply  
6695 Rasha St  
San Diego, CA. 92121  
858-909-2100

**Emergency Phone:**  
TCP Global Corporation 858-909-2110  
  
CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 - Classification of the substance or mixture:

**Classification:** No hazard classification according to the EU Directives 67/548/EEC, 1999/45/EC, to the Regulation (EC) No. 1272/2008 and to the national legal regulations.

**2.2 - Label elements:** No labelling according to the EU Directives 67/548/EEC, 1999/45/EC, to the Regulation (EC) - No. 1272/2008 and to the national legal regulations.

### 2.3 - Other hazards:

**Physicochemical hazards:** Non inflammable solid, product may burn on heating.

### Human and environmental hazards:

**Inhalation:** Material cannot be inhaled.

**Ingestion:** Not toxic.

**Skin contact:** Not irritating.

**Eye contact:** May cause slight irritations.

**Carcinogenicity:** IARC: not covered, NTP: not covered, OSHA: not covered.

**Other hazards:** Not known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 - Substances:** Not relevant

**3.2 - Mixtures:**

**Product Description:** Liquid aqueous mixture of organic compounds

Chemical Name	CAS #	WT%
Water	7732-18-5	38.00
Talc	14807-96-6	12.60
Sodium Polyacrylate	9003/4/7	31.30
Silicone Oil	63148-62-9	4.70
Polyacrylic Acid	9003/1/4	0.80
FD&C Red No.40	25956-17-6	12.60

### 4. FIRST AID MEASURES

**4.1 - Description of necessary first aid measures**

**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Medical aid on complaints.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention

**Ingestion:** Wash mouth out with water and let drink 1 to 2 glasses of water. Medical aid on complaints.

**4.2 - Indication of any immediate medical attention and special treatment needed:**

**Medical Advice:** Not toxic. On complaints treat symptomatically and supportively.

### 5. FIRE -FIGHTING MEASURES

**5.1 - Hazard Property** Flammable

**5.2 - Extinguishing Media**

Foam, Carbon Dioxide, Extinguishing Powder or Sand

**Suitable Extinguishing media:**

**5.3 - Special hazards arising from the substance or mixture:**

In case of fire, the following can be released = CO, CO<sub>2</sub>

**5.4 - Advice for fire fighters:**

**Special protective equipment:** Wear a self-contained breathing apparatus, wear full protective clothing. Water may be used to keep fire exposed containers cool.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 - Personal precautions, protective equipment and emergency procedures:

In case of insufficient ventilation, wear suitable respiratory equipment

### 6.2 - Environmental precautions:

Avoid release to the environment. Do not empty into drains.

### 6.3 - Methods and material for containment and cleaning up:

Ventilate area, Cut off release source. Cover sewer nearby the release source with industrial mulch or absorbent. Ensure well-ventilated. Speed diffusion.

## 7. HANDLING & STORAGE

### 7.1 - Precautions for safe handling

Closed operation, ensure well-ventilated. Avoid dust release. The operator must be trained professionally, comply operation instruction. There

### 7.2 - Conditions for safe measures and storage

Store in a cool, dry and well-ventilated area. Keep away from ignition sources & high heat. Use ventilating device. The warehouse should be equipped with release emergency handling equipment.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 - Exposure Controls:

**Engineering Controls:** Closed operation and well-ventilated. Safety shower bath and eye wash facility should be available.

#### **Personal protective equipment:**

**Body protection:** Commonly special body protection not necessary, regular work clothing sufficient.

**Respiratory protection:** Commonly respiratory protection not necessary.

**Eye protection:** Commonly eye protection not necessary, eye contacts should be avoided.

**Hand protection:** Protection gloves are not required commonly, on permanent skin contact gloves for low mechanic and substantial stress are enough. Protection gloves to be applied have to comply with the specifications of EU directive 89/686/EEC und EN 374, e.g. Matter: Butyl rubber Thickness: > 0,4 mm Penetration time: > 30 min.

**Skin protection:** Skin protection products are not as effective as protection gloves, so suitable protection gloves should be preferred if possible. If protection gloves can not be worn apply water insoluble skin protection substances to clean skin before start of work and after each break and thoroughly embrocate. Before break and at end of work skin cleaning with water and soap is necessary. After cleaning fatty skin care products should be applied.

**Further information:** This product is classified as non hazardous. However the usual precautions for harmful chemical must be observed to avoid contact with the skin, eyes and respiratory tract. Do not eat, drink or smoke in the workshop. Wash work clothing timeliness. Take attention to personal hygiene.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

<b>Physical State:</b>	Fluid Deep Black, White, Bright Yellow, Grass Green, Pure Pink, Bright Red, Deep Purple, Orange, Coffee Brown, Hot Pink, Sapphire Blue, Flesh, Canary Yellow, Ochre, Chartreuse, Crimson Red, Vermillion Red, Dark Brown, Lake Blue, Phthalo Blue, Aqua Blue, Phthalo Green,
<b>Color:</b>	Lavender and Magenta
<b>Odor:</b>	odorless
<b>pH:</b>	Not available
<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Density:</b>	Not available
<b>Relative Density:</b>	Not available
<b>Self ignition</b>	Product is not self igniting
<b>Danger of explosion:</b>	Not available
<b>Oxidizing properties</b>	Not available
<b>Solubility in Water:</b>	Insoluble in water

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not reactive under normal conditions of handling and storage
<b>Chemical Stability:</b>	Chemically stable under normal temperatures and pressures of handling and storage.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions are unknown, and hazardous polymerisation will not appear.
<b>Conditions to avoid:</b>	no data

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### **11.1 - Information on toxicological effects:**

This product is not expected to cause toxicity or be irritating to skin or eyes. On appropriate handling and use as intended on our experience and on current information the product doesn't cause any effects harmful to human health.

#### **11.2 - Toxicity Data:**

According to the experience and the relevant materials, the substance does not cause acute poisoning to human. It does not belong to toxic substance.

The sample does not have narcotic, noxious, irritating and other characters to cause extreme annoyance or discomfort to crew members and passengers, so it does not belong to miscellaneous dangerous goods.

The sample does not react with many deodorizing materials, so it does not belong to oxidizer of division.

The sample does not react with normal metals and has no harm to skin, so it does not belong to corrosives.

## 12. ECOLOGICAL INFORMATION

### 12.1 - Toxicity

Small amounts of this product are not expected to cause toxicity to the environment.

### 12.2 - Persistence and degradability:

The components of this material are not persistence, and are degradable in the environment.

### 12.3 Bio-accumulative potential:

The components of this material are not biomagnified or bio-concentrated in the environment.

### 12.4 - Mobility in soil:

The components of this material are not biomagnified or bio-concentrated in the environment.

### 12.5 - Results of PBT and vPvB assessment:

This material does not include PBT or vPvB substances according to the REACH Annex XIII criteria.

### 12.6 - Other adverse effects:

On appropriate handling and use as intended on our experience and on current information the product doesn't cause any adverse effects to the environment.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 - Waste treatment methods:

Waste disposal should be in accordance with existing local environmental control laws

## 14. TRANSPORT INFORMATION

<b>U.S. DOT:</b>	This product is not regulated as hazardous by the U.S. Department of Transportation. Not a DOT controlled material (United States).
<b>UN Number:</b>	not applicable
<b>Packing Group:</b>	not applicable
<b>Marine Pollutant:</b>	not available
<b>Hazardous Substance</b>	
<b>Reportable Quantity:</b>	not available
<b>Special Provisions for transport</b>	not available
<b>TDG Classification:</b>	not controlled under TDG (Canada)
<b>ADR/RID Classification:</b>	not controlled under ADR (Europe)
<b>IMO/IMDG</b>	
<b>Classification:</b>	not controlled under IMDG
<b>ICAO/IATA</b>	
<b>Classification:</b>	not controlled under IATA

## 15. REGULATORY INFORMATION

### 15.1 - European/International Regulations:

**Safety Phrases** - Keep container in well ventilated place. Keep away from sources of ignition. When using do not eat, drink & keep away from children.

**Risk Phrases** - Irritating to eyes. For detailed regulations you should contact the appropriate agency in your country.

## 16. OTHER INFORMATION

*The contents and format of this MSDS are in accordance with ISO Commission Directive ISO11014:2009.*

### **Disclaimer of Liability:**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product.

If the product is used as a component in another product, this MSDS information may not be applicable.

### **Abbreviations and acronyms:**

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH:	American Conference of Governmental Industrial Hygienists
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

# Material Safety Data Sheet



## 1. IDENTIFICATION

**Product Name:** U.S. Art Supply Water Based Airbrushing Cleaning Solution (All Sizes)

**Material uses:** Airbrushing, Painting and Decorating

**Supplier Address:**

U.S. Art Supply  
6695 Rasha St  
San Diego, CA. 92121  
858-909-2100

**Emergency Phone:**

TCP Global Corporation 858-909-2110

CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**2.1 - Classification of the substance or mixture:**

**Classification:** No hazard classification according to the EU Directives 67/548/EEC, 1999/45/EC, to the Regulation (EC) No. 1272/2008 and to the national legal regulations.

**2.2 - Label elements:** No labelling according to the EU Directives 67/548/EEC, 1999/45/EC, to the Regulation (EC) - No. 1272/2008 and to the national legal regulations.

**2.3 - Other hazards:**

**Physicochemical hazards:** Non inflammable solid, product may burn on heating.

**Human and environmental hazards:**

**Inhalation:** Not expecting to be irritating to the respiratory system. Not volatile therefore limited inhalation exposure anticipated.

**Ingestion:** Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea.

**Skin contact:** Not irritating.

**Eye contact:** May cause mild, temporary irritation. Some redness and/or stinging may occur.

**Carcinogenicity:** IARC: not covered, NTP: not covered, OSHA: not covered.

**Other hazards:** Not known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 - Substances:** Not relevant

**3.2 - Mixtures:**

**Product Description:** Liquid aqueous mixture of organic compounds

Chemical Name	CAS #	WT%
Water	7732-18-5	38.00
Propanediol butyl ether	15821-83-7	75.00

### 4. FIRST AID MEASURES

**4.1 - Description of necessary first aid measures**

**Eye Contact:** Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. If discomfort or irritation persists, contact a physician.

**Inhalation:** If inhaled, remove individual to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention

**Ingestion:** In case of accidental ingestion, dilute with fluids (water or milk) and treat symptomatically. Do not induce vomiting. Note: After first aid treatment, the caller should be advised that 1) a hospital emergency room or family physician should be consulted if anything unusual occurs or appears necessary in the judgment of the caller, and 2) that the subsequent management of the accident should be dictated by any persistent symptoms and under the direction of the physician.

**4.2 - Indication of any immediate medical attention and special treatment needed:**

**Medical Advice:** Not toxic. On complaints treat symptomatically and supportively.

### 5. FIRE -FIGHTING MEASURES

**5.1 - Hazard Property** Flammable

**Flash Point & Method:** PMCC 76.60 Degrees Celsius, 170.60 Degrees Fahrenheit

**5.2 - Extinguishing Media**

**Suitable Extinguishing media:** Chemical Foam, Dry Chemical, Carbon Dioxide or Water

**5.3 - Special hazards arising from the substance or mixture:**

In case of fire, the following can be released = CO, CO2

**5.4 - Advice for fire fighters:**

**Special protective equipment:** Wear a self-contained breathing apparatus, wear full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal



## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 - Personal precautions, protective equipment and emergency procedures:

In case of insufficient ventilation, wear suitable respiratory equipment

### 6.2 - Environmental precautions:

Avoid release to the environment. Do not empty into drains.

### 6.3 - Methods and material for containment and cleaning up:

**For Household Settings:** Scrub the area with detergent

**For Non-Household Settings:** Halt spill at source and contain spill and transfer product to containers for recovery or dispose spilled product in accordance with local, state, and federal regulations.

## 7. HANDLING & STORAGE

### Precautions for safe handling

No applicable information has been found.

**For Household Settings:**

**For Non-Household Settings:** No unusual handling or storage requirements. Storage in large quantities (as in warehouses) should be in a well-ventilated, cool area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 - Exposure Controls:

**Engineering Controls:** Closed operation and well-ventilated. Safety shower bath and eye wash facility should be available.

### 8.2 - Personal Protective Equipment:

**Body protection:** Commonly special body protection not necessary, regular work clothing sufficient.

**Respiratory protection:** Commonly respiratory protection not necessary.

**Eye protection:** Commonly eye protection not necessary, eye contacts should be avoided.

**Hand protection:** Protection gloves are not required commonly, on permanent skin contact gloves for low mechanic and substantial stress are enough. Protection gloves to be applied have to comply with the specifications of EU directive 89/686/EEC und EN 374, e.g. Matter: Butyl rubber Thickness: > 0,4 mm Penetration time: > 30 min.

**Skin protection:** Skin protection products are not as effective as protection gloves, so suitable protection gloves should be preferred if possible. If protection gloves can not be worn apply water insoluble skin protection substances to clean skin before start of work and after each break and thoroughly embrocate. Before break and at end of work skin cleaning with water and soap is necessary. After cleaning fatty skin care products should be applied.

**Further information:** This product is classified as non hazardous. However the usual precautions for harmful chemical must be observed to avoid contact with the skin, eyes and respiratory tract. Do not eat, drink or smoke in the workshop. Wash work clothing timeliness. Take attention to personal hygiene.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

<b>Physical State:</b>	Fluid
<b>Odor:</b>	Odorless
<b>pH:</b>	Not available
<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Density:</b>	Not available
<b>Relative Density:</b>	Not available
<b>Self ignition</b>	Product is not self igniting
<b>Danger of explosion:</b>	Not available
<b>Oxidizing properties</b>	Not available
<b>Solubility in Water:</b>	Insoluble in water

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not reactive under normal conditions of handling and storage
<b>Chemical Stability:</b>	Chemically stable under normal temperatures and pressures of handling and storage.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions are unknown, and hazardous polymerisation will not appear.
<b>Conditions to avoid:</b>	no data

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### **11.1 - Information on toxicological effects:**

This product is not expected to cause toxicity or be irritating to skin or eyes. On appropriate handling and use as intended on our experience and on current information the product doesn't cause any effects harmful to human health.

#### **11.2 - Toxicity Data:**

According to the experience and the relevant materials, the substance does not cause acute poisoning to human. It does not belong to toxic substance.

The sample does not have narcotic, noxious, irritating and other characters to cause extreme annoyance or discomfort to crew members and passengers, so it does not belong to miscellaneous dangerous goods.

The sample does not react with many deodorizing materials, so it does not belong to oxidizer of division.

The sample does not react with normal metals and has no harm to skin, so it does not belong to corrosives.

## **12. ECOLOGICAL INFORMATION**

### **12.1 - Toxicity**

Small amounts of this product are not expected to cause toxicity to the environment.

### **12.2 - Persistence and degradability:**

The components of this material are not persistence, and are degradable in the environment.

### **12.3 Bio-accumulative potential:**

The components of this material are not biomagnified or bio-concentrated in the environment.

### **12.4 - Mobility in soil:**

The components of this material are not biomagnified or bio-concentrated in the environment.

### **12.5 - Results of PBT and vPvB assessment:**

This material does not include PBT or vPvB substances according to the REACH Annex XIII criteria.

### **12.6 - Other adverse effects:**

On appropriate handling and use as intended on our experience and on current information the product doesn't cause any adverse effects to the environment.

## **13. DISPOSAL CONSIDERATIONS**

### **13.1 - For Non Household Settings:**

Disposal should be in accordance with Federal, State/Provincial and Local regulations.

### **13.2 - For Household Settings**

The following instructions are for consumer usage only. Do not discharge product into natural waters without pre-treatment or adequate dilution. For Non-Household Settings: Products covered by this MSDS, in their original form, when disposed as waste, are considered non-hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. California Waste Code: 331.

## 14. TRANSPORT INFORMATION

<b>U.S. DOT:</b>	non-hazardous
<b>UN Number:</b>	not applicable
<b>Packing Group:</b>	not applicable
<b>Marine Pollutant:</b>	not available
<b>Hazardous Substance</b>	
<b>Reportable Quantity:</b>	not available
<b>Special Provisions for transport</b>	not available
<b>TDG Classification:</b>	not controlled under TDG (Canada)
<b>ADR/RID Classification:</b>	not controlled under ADR (Europe)
<b>IMO/IMDG Classification:</b>	non-hazardous
<b>ICAO/IATA Classification:</b>	non-hazardous

## 15. REGULATORY INFORMATION

EU DPD (Dangerous Products Directive) Classification (DPD 88/379/EEC). Regulated as a Cosmetic and/or Drug under FDA (US), HPB (Canada), Cosmetic Directive (EU), MHW (Japan) and MOH (China). While the finished product(s) is not considered hazardous as defined in 29 CFR 1910.1200 (d), this MSDS contains valuable information critical to the safe handling and proper use of the product. US Federal – The product described in this Material Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on container, box or accompanying information sheet.

## 16. OTHER INFORMATION

*The contents and format of this MSDS are in accordance with ISO Commission Directive ISO11014:2009.*

### **Disclaimer of Liability:**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product.

If the product is used as a component in another product, this MSDS information may not be applicable.

### **Abbreviations and acronyms:**

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH:	American Conference of Governmental Industrial Hygienists
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

# Safety Data Sheet



## 1. IDENTIFICATION

**Product Name:** U.S. Art Supply Water Based Acrylic Airbrush Thinning Reducer (All Sizes)

**Material uses:** Airbrushing, Painting and Decorating

**Supplier Address:**

U.S. Art Supply  
6695 Rasha St  
San Diego, CA. 92121  
858-909-2100

**Emergency Phone:**

TCP Global Corporation 858-909-2110

CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**2.1 - Classification of the substance or mixture:**

**Classification:** No hazard classification according to the EU Directives 67/548/EEC, 1999/45/EC, to the Regulation (EC) No. 1272/2008 and to the national legal regulations.

**2.2 - Label elements:** No labelling according to the EU Directives 67/548/EEC, 1999/45/EC, to the Regulation (EC) - No. 1272/2008 and to the national legal regulations.

**2.3 - Other hazards:**

**Physicochemical hazards:** Non inflammable solid, product may burn on heating.

**Human and environmental hazards:**

**Inhalation:** Not expected to be irritating to the respiratory system. Not volatile therefore limited inhalation exposure anticipated.

**Ingestion:** Non-toxic.

**Skin contact:** Non-irritating.

**Eye contact:** May cause irritation to eyes.

**Carcinogenicity:** IARC: not covered, NTP: not covered, OSHA: not covered.

**Other hazards:** Not known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 - Substances:** Not relevant

**3.2 - Mixtures:**

**Product Description:** Liquid aqueous mixture of organic compounds

Chemical Name	CAS #	WT%
Water	7732-18-5	85.00
Talc	14807-96-6	10.00
Polyacrylic Acid	9003/1/4	5.00

### 4. FIRST AID MEASURES

**4.1 - Description of necessary first aid measures**

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Medical aid on complains.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention

**Ingestion:** Wash mouth out with water and drink 1 to 2 glasses of water. Medical aid on complains.

**4.2 - Indication of any immediate medical attention and special treatment needed:**

**Medical Advice:** Not toxic. On complains treat symptomatically and supportively.

### 5. FIRE -FIGHTING MEASURES

**5.1 - Hazard Property** Non flammable

**5.2 - Extinguishing Media**

Foam, Carbon Dioxide, Extinguishing Powder or Sand

**Suitable Extinguishing media:**

**5.3 - Special hazards arising from the substance or mixture:**

In case of fire, the following can be released = CO, CO2

**5.4 - Advice for fire fighters:**

**Special protective equipment:** Wear a self-contained breathing apparatus, wear full protective clothing. Water may be used to keep fire exposed containers cool.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 - Personal precautions, protective equipment and emergency procedures:

In case of insufficient ventilation, wear suitable respiratory equipment

### 6.2 - Environmental precautions:

**Avoid release to the environment. Do not empty into drains.**

### 6.3 - Methods and material for containment and cleaning up:

Ventilate area, Cut off release source. Cover sewer nearby the release source with industrial mulch or absorbent. Ensure well-ventilated. Speed diffusion.

## 7. HANDLING & STORAGE

### 7.1 - Precautions for safe handling

Closed operation, ensure well-ventilated. Avoid dust release. The operator must be trained professionally, comply operation instruction. There

### 7.2 - Conditions for safe measures and storage

Store in a cool, dry and well-ventilated area. Keep away from ignition sources & high heat. Use ventilating device. The warehouse should be equipped with release emergency handling equipment.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 - Exposure Controls:

**Engineering Controls:** Closed operation and well-ventilated. Safety shower bath and eye wash facility should be available.

#### **Personal protective equipment:**

**Body protection:** Commonly special body protection not necessary, regular work clothing sufficient.

**Respiratory protection:** Commonly respiratory protection not necessary.

**Eye protection:** Commonly eye protection not necessary, eye contacts should be avoided.

**Hand protection:** Protection gloves are not required commonly, on permanent skin contact gloves for low mechanic and substantial stress are enough. Protection gloves to be applied have to comply with the specifications of EU directive 89/686/EEC und EN 374, e.g. Matter: Butyl rubber Thickness: > 0,4 mm Penetration time: > 30 min.

**Skin protection:** Skin protection products are not as effective as protection gloves, so suitable protection gloves should be preferred if possible. If protection gloves can not be worn apply water insoluble skin protection substances to clean skin before start of work and after each break and thoroughly embrocate. Before break and at end of work skin cleaning with water and soap is necessary. After cleaning fatty skin care products should be applied.

**Further information:** This product is classified as non hazardous. However the usual precautions for harmful chemical must be observed to avoid contact with the skin, eyes and respiratory tract. Do not eat, drink or smoke in the workshop. Wash work clothing timeliness. Take attention to personal hygiene.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

<b>Physical State:</b>	Fluid
<b>Odor:</b>	Odorless
<b>pH:</b>	Not available
<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Density:</b>	Not available
<b>Relative Density:</b>	Not available
<b>Self ignition</b>	Product is not self igniting
<b>Danger of explosion:</b>	Product has no danger of explosion
<b>Oxidizing properties</b>	Not available
<b>Solubility in Water:</b>	Insoluble in water

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not reactive under normal conditions of handling and storage
<b>Chemical Stability:</b>	Chemically stable under normal temperatures and pressures of handling and storage.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions are unknown, and hazardous polymerisation will not appear.
<b>Conditions to avoid:</b>	Fire or High heat.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 - Toxicity Data:

According to the experience and the relevant materials, the substance does not cause acute poisoning to humans. It does not belong to toxic substance.

The sample does not have narcotic, noxious, irritating and other characters to cause extreme annoyance or discomfort to crew members and passengers, so it does not belong to miscellaneous dangerous goods.

The sample does not react with many deodorizing materials, so it does not belong to oxidizer of division.

The sample does not react with normal metals and has no harm to skin, so it does not belong to corrosives.

## 12. ECOLOGICAL INFORMATION

### 12.1 - Toxicity

Small amounts of this product are not expected to cause toxicity to the environment.

### 12.2 - Persistence and degradability:

The components of this material are not persistence, and are degradable in the environment.

### 12.3 Bio-accumulative potential:

The components of this material are not biomagnified or bio-concentrated in the environment.

### 12.4 - Mobility in soil:

The components of this material are not biomagnified or bio-concentrated in the environment.

### 12.5 - Results of PBT and vPvB assessment:

This material does not include PBT or vPvB substances according to the REACH Annex XIII criteria.

### 12.6 - Other adverse effects:

On appropriate handling and use as intended on our experience and on current information the product doesn't cause any adverse effects to the environment.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 - Waste treatment methods:

Waste disposal should be in accordance with existing local environmental control laws

## 14. TRANSPORT INFORMATION

<b>U.S. DOT:</b>	This product is not regulated as hazardous by the U.S. Department of Transportation. Not a DOT controlled material (United States).
<b>UN Number:</b>	not applicable
<b>Packing Group:</b>	not applicable
<b>Marine Pollutant:</b>	not available
<b>Hazardous Substance</b>	
<b>Reportable Quantity:</b>	not available
<b>Special Provisions for transport</b>	not available
<b>TDG Classification:</b>	not controlled under TDG (Canada)
<b>ADR/RID Classification:</b>	not controlled under ADR (Europe)
<b>IMO/IMDG</b>	
<b>Classification:</b>	not controlled under IMDG
<b>ICAO/IATA</b>	
<b>Classification:</b>	not controlled under IATA

## 15. REGULATORY INFORMATION

### 15.1 - European/International Regulations:

**Safety Phrases** - Keep container in well ventilated place. Keep away from sources of ignition. When using do not eat, drink & keep away from children.

**Risk Phrases** - Irritating to eyes. For detailed regulations you should contact the appropriate agency in your country.

## 16. OTHER INFORMATION

*The contents and format of this MSDS are in accordance with ISO Commission Directive ISO11014:2009.*

### **Disclaimer of Liability:**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product.

If the product is used as a component in another product, this MSDS information may not be applicable.

### **Abbreviations and acronyms:**

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH:	American Conference of Governmental Industrial Hygienists
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent