

MATERIAL SAFETY DATA SHEET FOR WEBAC 240 Comp. A1

DATE: JUNE 10, 2005

SECTION I

MANUFACTURER

WEBAC AMERICA CORP.
1669 E WILSHIRE AVE, SANTA ANA, CA 92705
PH: (714) 662-4445, FAX: (714) 662-4446
EMERGENCY PH: (877) 932-2293

TRADE NAME/LABEL

WEBAC 240
SuperFlexible PolyAcrylate Gel

SECTION II CHEMICAL AND PHYSICAL PROPERTIES

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND NITROGEN

INGREDIENTS: ACRYLATE COMPONENT FOR GELS

Compound of the following substances with harmless admixtures.
Poly Acrylate in water

COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE
		OSHA PEL	ACGIH TLV MFG TLV	mm Hg @ TEMP
Poly Acrylate in waterbase				
Appearance				
Form : liquid				
Colour: brownish				
Odour : typical				
Safety relevant data:				
Value Unit Method				
Vapour pressure: at 20 1 mbar				
Density: at 20C 1.20 g/cm,				
Water solubility: yes				
Viscosity: 10cps at 75F/23C				
Content in solvents: 0 %				

SECTION III FIRE AND EXPLOSION DATA

Flash point: n.a. DIN 53213

The product is not self-igniting. The product is not explosive.

FIRE AND EXPLOSION HAZARD: EXCESSIVE HEAT MAY CAUSE PRESSURE BUILD UP IN UNVENTED VESSEL.

UPPER EXPLOSIVE LIMIT: NDA LOWER EXPLOSIVE LIMIT: NDA

AVOID BREATHING TOXIC AND IRRITATING VAPORS.

FIRE FIGHTING:

Appropriate extinguishing agents: foam (alcohol resistant), carbon dioxide, powder, aerosol (water)
Inappropriate extinguishing agents for safety reasons: water jet Special hazards caused by the substance or formulation itself, its combustion products or emerging gases: Inhaling hazardous decomposition products may cause serious damage to health. Special protective equipment for fire fighting: Wear protective clothing. Breathing equipment may be necessary. Additional notice: Do not allow water from fire fighting into the sewage system. SELF CONTAINED BREATHING APPARATUS WITH A FULL FACE PIPE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

SECTION IV HEALTH HAZARD DATA

FIRST AID MEASURES General notice: In case of symptoms or if in doubt always get medical advice. In case of unconsciousness do not feed anything through the person's mouth. After inhalation: Provide fresh air, bring the injured person into rest position and keep him/her warm. If breathing is irregular or stops, induce artificial respiration. In case of unconsciousness bring into recovery position and get medical advice. After contact with skin: Immediately take off stained and drenched clothing. Cleanse affected skin thoroughly with water and soap or with an appropriate detergent. Do not use solvents or thinners. After contact with eyes: Remove contact lenses, keep eyelids open and rinse with clear, running water for at least 10 minutes. Get medical advice. After swallowing: After swallowing consult GP immediately. Keep injured person quiet. Do not induce vomiting.

FIRST AID AND HEALTH EFFECTS: INHALATION:

MAY CAUSE NASAL, THROAT IRRITATION WITH A CHOKING SENSATION. NEUROLOGIC DISTURBANCES, PNEUMONITIS, HEADACHE, NAUSEA, VOMITING, AND ABDOMINAL PAIN MAY OCCUR AFTER EXTREME EXPOSURE. FIRST AID- REMOVE FROM EXPOSURE.

SKIN CONTACT: DIRECT CONTACT MAY PRODUCE IRRITATION. PROLONGED CONTACT MAY RESULT IN ECZEMA AND SENSITIZATION DERMATITIS. FIRST AID- WASH AFFECTED AREAS WITH SOAP AND WATER UNTIL NO EVIDENCE OF CONTAMINATION REMAINS. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

EYE CONTACT: CONTACT MAY CAUSE IRRITATION AND CONJUNCTIVITIS. DIRECT CONTACT MAY CAUSE IRRITATION, PAIN, LACRIMATION, AND POSSIBLE CORNEAL DAMAGE AND OPACITY. FIRST AID- WASH EYES WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

INGESTION: DIRECT CONTACT MAY CAUSE SEVERE IRRITATION SORE THROAT, ABDOMINAL PAIN AND DIARRHEA. FIRST AID- IF CORROSION IS EVIDENT, DO NOT INDUCE VOMITING; REMOVE BY GASTRIC LAVAGE. GET MEDICAL ATTENTION IMMEDIATELY.

TOXICITY:

ACRYLATE IS AN EYE, RESPIRATORY, AND SKIN IRRITANT, SKIN SENSITIZER, AND PULMONARY SENSITIZER.

SECTION V: SPECIAL PROTECTION INFORMATION:

VENTILATION: MECHANICAL GENERAL/LOCAL EXHAUST VENTILATION TO CONTROL VAPOR OR MISTS BELOW MAXIMUM EXPOSURE LIMITS

CLOTHING: APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING AND EQUIPMENT TO PREVENT SKIN CONTACT WITH THE SUBSTANCE.

GLOVES: APPROPRIATE PROTECTIVE GLOVES TO PREVENT CONTACT WITH THIS SUBSTANCE.

EYE PROTECTION: SAFETY GOGGLES AND A FACE SHIELD TO PREVENT CONTACT WITH THE SUBSTANCE. THE EMPLOYER SHALL PROVIDE AN EYE-WASH FOUNTAIN WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE.

SECTION VI HANDLING OF SPILLS OR LEAKS

ACCIDENTAL RELEASE MEASURES Personal precautions: Wear protective equipment. Keep away unprotected persons. Observe safety regulations (see chapters 7 and 8). Environmental protection measures: Do not allow into the sewage system. In the event of pollution of rivers, lakes or sewers inform the relevant authorities in compliance with local legislation. Process of cleaning: Enclose released material with inflammable absorbent (e.g. sand, soil, diatomaceous earth, vermiculite) and collect it in appropriate containers for disposal in compliance with local regulations

COVER SPILLS WITH INERT ABSORBENT MATERIAL SUCH AS CLAY OR VERMICULITE. TRANSFER TO WASTE DISPOSAL CONTAINER. DISPOSAL MUST BE MADE CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS. DISTRIBUTOR/MANUFACTURER IS NOT RESPONSIBLE FOR DISPOSAL OF CONTAINERS.

SECTION VII SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID CONTACT WITH MOISTURE, MATERIAL MAY REACT AND GENERATE CO₂. STORE BETWEEN 60 AND 85 DEGREES F.

SECTION VIII TRANSPORTATION

DOT: NOT REGULATED

This formulation has not been classified as hazardous in compliance with international transport regulations (ADR/RID, IMDG, ICAO/IATA).

SECTION IX PRECAUTIONARY COMMENTS

Handling Notice for safe handling: Store in well-sealed containers in a cool dry place. Do not eat, drink, smoke while at work. Personal protective clothing see chapter 8. Follow statutory protection and safety provisions.

Notice on fire and explosion protection:

No special measures required.

Storage

Requirements for storage rooms and containers:

Store containers closely sealed at 5°C to 30°C.

Notice on joint storage:

Not required.

Further details on storage conditions:

Always store in original container.

Keep out of heat and direct solar radiation.

Conditions to be avoided: Stable if recommended prescriptions for storage and handling are applied. Substances to be avoided: Keep away from strongly acid and alkaline materials as well as oxidizers to prevent exothermic reactions. **Hazardous decomposition products:** At high temperatures hazardous decomposition products may form, such as carbon dioxide, carbon monoxide, smoke, nitric oxides.

ACRYLATE IS AN ORGANIC MATERIAL AND MUST NOT BE LEFT EXPOSED OR UNPROTECTED. SHIELD FROM HEAT OR SPARKS WITH A THERMAL BARRIER.

ALL RECOMMENDATIONS, STATEMENTS AND TECHNICAL DATA HERIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE AND CORRECT, BUT ACCURACY AND COMPLETENESS OF SAID TESTS ARE NOT GUARANTEED AND ARE NOT TO BE CONSTRUED AS A WARRANTY EITHER IMPRESSED OR IMPLIED. USER SHALL RELY ON HIS OR HER OWN INFORMATION AND TESTS TO DETERMINE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND USER ASSUMES ALL RISK AND LIABILITY RESULTING FROM HIS OR HER USE OF THE PRODUCT. SELLER'S AND MANUFACTURER'S SOLE RESPONSIBILITY SHALL BE TO REPLACE THAT PORTION OF THE PRODUCT OF THIS MANUFACTURER WHICH PROVES TO BE DEFECTIVE. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE TO THE BUYER OR ANY THIRD PERSON FOR ANY INJURY, LOSS OR DAMAGE DIRECTLY OR INDIRECTLY RESULTING FROM USE OF OR INABILITY TO USE THE PRODUCT. RECOMMENDATIONS AND STATEMENTS OTHER THAN THOSE CONTAINED IN A WRITTEN AGREEMENT SIGNED BY AN OFFICER OF THE MANUFACTURER SHALL NOT BE BINDING UPON THE MANUFACTURER OR SELLER.

MATERIAL SAFETY DATA SHEET FOR WEBAC 240 Comp. A2

DATE: JUNE 10, 2005

SECTION I

MANUFACTURER

WEBAC AMERICA CORP.
1669 E WILSHIRE AVE, SANTA ANA, CA 92705
PH: (714) 662-4445, FAX: (714) 662-4446
EMERGENCY PH: (877) 932-2293

TRADE NAME/LABEL

WEBAC 240
SuperFlexible PolyAcrylate Gel

SECTION II CHEMICAL AND PHYSICAL PROPERTIES

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND NITROGEN

The formulation was evaluated using the conventional method of the Dangerous Preparations Directive 1999/45/EC and not classified as hazardous to the environment.

INGREDIENTS: Cross linking agent for acrylate gels

Compound of the following substances with harmless admixtures.

Compound of the following substances with harmless admixtures.

COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS OSHA PEL	ACGIH TLV MFG TLV	VAPOR PRESSURE mm Hg @ TEMP
Alcylaminoamid	226-002-3			

Irritant
Special hazard notice for man and the environment:
Irritating to eyes.

Risk of serious damage to eyes.

Appearance

Form : liquid

Color: colourless

Odor : like amine

Vapor pressure: at 20C mbar

Density: at 70F/20C 0.94 g/cm

Water solubility: insoluble

viscosity: 25 CPS at 75F/23C

Content in solvents: 0 %

The product is not self-igniting. The product is not explosive.

SECTION III FIRE AND EXPLOSION DATA

Flash point: > 257F/125C

The product is not self-igniting. The product is not explosive.

FIRE AND EXPLOSION HAZARD: EXCESSIVE HEAT MAY CAUSE PRESSURE BUILD UP IN UNVENTED VESSEL.

UPPER EXPLOSIVE LIMIT: NDA

LOWER EXPLOSIVE LIMIT: NDA

AVOID BREATHING TOXIC AND IRRITATING VAPORS.

FIRE FIGHTING:

Appropriate extinguishing agents: foam (alcohol resistant), carbon dioxide, powder, aerosol (water)

Inappropriate extinguishing agents for safety reasons: water jet
Special hazards caused by the substance or formulation itself, its combustion products or emerging gases: Inhaling hazardous decomposition products may cause serious damage to health. Special protective equipment for fire fighting: Wear protective clothing.

Breathing equipment may be necessary. Additional notice: Do not allow water from fire fighting into the sewage system. SELF CONTAINED BREATHING APPARATUS WITH A FULL FACE PIPE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

SECTION IV HEALTH HAZARD DATA

FIRST AID MEASURES General notice: In case of symptoms or if in doubt always get medical advice. In case of unconsciousness do not feed anything through the person's mouth. After inhalation: Provide fresh air, bring the injured person into rest position and keep him/her warm. If breathing is irregular or stops, induce artificial respiration. In case of unconsciousness bring into recovery position and get medical advice. After contact with skin: Immediately take off stained and drenched clothing. Cleanse affected skin thoroughly with water and soap or with an appropriate detergent. Do not use solvents or thinners. After contact with eyes: Remove contact lenses, keep eyelids open and rinse with clear, running water for at least 10 minutes. Get medical advice. After swallowing: After swallowing consult GP immediately. Keep injured person quiet. Do not induce vomiting.

FIRST AID AND HEALTH EFFECTS: INHALATION:

MAY CAUSE NASAL, THROAT IRRITATION WITH A CHOKING SENSATION. NEUROLOGIC DISTURBANCES, PNEUMONITIS, HEADACHE, NAUSEA, VOMITING, AND ABDOMINAL PAIN MAY OCCUR AFTER EXTREME EXPOSURE. FIRST AID- REMOVE FROM EXPOSURE.

SKIN CONTACT: DIRECT CONTACT MAY PRODUCE IRRITATION. PROLONGED CONTACT MAY RESULT IN ECZEMA AND SENSITIZATION DERMATITIS. FIRST AID- WASH AFFECTED AREAS WITH SOAP AND WATER UNTIL NO EVIDENCE OF CONTAMINATION REMAINS. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

EYE CONTACT: CONTACT MAY CAUSE IRRITATION AND CONJUNCTIVITIS. DIRECT CONTACT MAY CAUSE IRRITATION, PAIN, LACRIMATION, AND POSSIBLE CORNEAL DAMAGE AND OPACITY. FIRST AID- WASH EYES WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

INGESTION: DIRECT CONTACT MAY CAUSE SEVERE IRRITATION SORE THROAT, ABDOMINAL PAIN AND DIARRHEA. FIRST AID- IF CORROSION IS EVIDENT, DO NOT INDUCE VOMITING; REMOVE BY GASTRIC LAVAGE. GET MEDICAL ATTENTION IMMEDIATELY.

TOXICITY:

LD/LC50 values relevant for classification: Alcylaminoamid oral/LD50: 3.33 mg/kg (rat) dermal/LD50: 2.35 mg/kg (rabbit)

Primary irritating effect:

on the skin: slightly irritating

SECTION V: SPECIAL PROTECTION INFORMATION:

VENTILATION: MECHANICAL GENERAL/LOCAL EXHAUST VENTILATION TO CONTROL VAPOR OR MISTS BELOW MAXIMUM EXPOSURE LIMITS

CLOTHING: APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING AND EQUIPMENT TO PREVENT SKIN CONTACT WITH THE SUBSTANCE.

GLOVES: APPROPRIATE PROTECTIVE GLOVES TO PREVENT CONTACT WITH THIS SUBSTANCE.

EYE PROTECTION: SAFETY GOGGLES AND A FACE SHIELD TO PREVENT CONTACT WITH THE SUBSTANCE. THE EMPLOYER SHALL PROVIDE AN EYE-WASH FOUNTAIN WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE.

SECTION VI HANDLING OF SPILLS OR LEAKS

ACCIDENTAL RELEASE MEASURES Personal precautions: Wear protective equipment. Keep away unprotected persons. Observe safety regulations (see chapters 7 and 8). Environmental protection measures: Do not allow into the sewage system. In the event of pollution of rivers, lakes or sewers inform the relevant authorities in compliance with local legislation. Process of cleaning: Enclose released material with inflammable absorbent (e.g. sand, soil, diatomaceous earth, vermiculite) and collect it in appropriate containers for disposal in compliance with local regulations

COVER SPILLS WITH INERT ABSORBENT MATERIAL SUCH AS CLAY OR VERMICULITE. TRANSFER TO WASTE DISPOSAL CONTAINER. DISPOSAL MUST BE MADE CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS. DISTRIBUTOR/MANUFACTURER IS NOT RESPONSIBLE FOR DISPOSAL OF CONTAINERS.

SECTION VII SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID CONTACT WITH MOISTURE, MATERIAL MAY REACT AND GENERATE CO₂. STORE BETWEEN 60 AND 85 DEGREES F.

SECTION VIII TRANSPORTATION

DOT: NOT REGULATED

This formulation has not been classified as hazardous in compliance with international transport regulations (ADR/RID, IMDG, ICAO/IATA).

SECTION IX PRECAUTIONARY COMMENTS

Handling Notice for safe handling: Store in well-sealed containers in a cool dry place. Do not eat, drink, smoke while at work. Follow statutory protection and safety provisions.

Notice on fire and explosion protection:

No special measures required.

Storage

Requirements for storage rooms and containers:

Store containers closely sealed at 50F-85F 5C to 30C.

Notice on joint storage:

Not required.

Further details on storage conditions:

Always store in original container.

Keep out of heat and direct solar radiation.

Conditions to be avoided: Stable if recommended prescriptions for storage and handling are applied. Substances to be avoided: Keep away from strongly acid and alkaline materials as well as oxidizers to prevent exothermic reactions. **Hazardous decomposition products:** At high temperatures hazardous decomposition products may form, such as carbon dioxide, carbon monoxide, smoke, nitric oxides.

ACRYLATE IS AN ORGANIC MATERIAL AND MUST NOT BE LEFT EXPOSED OR UNPROTECTED. SHIELD FROM HEAT OR SPARKS WITH A THERMAL BARRIER.

ALL RECOMMENDATIONS, STATEMENTS AND TECHNICAL DATA HERIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE AND CORRECT, BUT ACCURACY AND COMPLETENESS OF SAID TESTS ARE NOT GUARANTEED AND ARE NOT TO BE CONSTRUED AS A WARRANTY EITHER IMPRESSED OR IMPLIED. USER SHALL RELY ON HIS OR HER OWN INFORMATION AND TESTS TO DETERMINE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND USER ASSUMES ALL RISK AND LIABILITY RESULTING FROM HIS OR HER USE OF THE PRODUCT. SELLER'S AND MANUFACTURER'S SOLE RESPONSIBILITY SHALL BE TO REPLACE THAT PORTION OF THE PRODUCT OF THIS MANUFACTURER WHICH PROVES TO BE DEFECTIVE. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE TO THE BUYER OR ANY THIRD PERSON FOR ANY INJURY, LOSS OR DAMAGE DIRECTLY OR INDIRECTLY RESULTING FROM USE OF OR INABILITY TO USE THE PRODUCT. RECOMMENDATIONS AND STATEMENTS OTHER THAN THOSE CONTAINED IN A WRITTEN AGREEMENT SIGNED BY AN OFFICER OF THE MANUFACTURER SHALL NOT BE BINDING UPON THE MANUFACTURER OR SELLER.

MATERIAL SAFETY DATA SHEET FOR WEBAC 240 Comp. B

DATE: JUNE 10, 2005

SECTION I

MANUFACTURER

WEBAC AMERICA CORP.
1669 E WILSHIRE AVE, SANTA ANA, CA 92705
PH: (714) 662-4445, FAX: (714) 662-4446
EMERGENCY PH: (877) 932-2293

TRADE NAME/LABEL

WEBAC 240
SuperFlexible PolyAcrylate Gel

SECTION II CHEMICAL AND PHYSICAL PROPERTIES

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND NITROGEN

INGREDIENTS: Cross linking agent for acrylate gels
Compound of the following substances with harmless admixtures.

COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE mm Hg @ TEMP
		OSHA PEL	ACGIH TLV MFG TLV	
persulphates, inorganic	231-892-1			

Irritant

Special hazard notice for man and the environment:

Irritating to eyes.

Risk of serious damage to eyes.

Appearance

Appearance

Form : solid

Color: white

Odor : none

Safety relevant data:

Value Unit Method

Flash point: N/A

Vapor pressure: at 20 mbar

Density: at 70F/20C 2.59 g/CM3 DIN 51757

Water solubility: YES

viscosity: N/A

Content in solvents: 0 %

The product is not self-igniting. The product is not explosive.

SECTION III FIRE AND EXPLOSION DATA

Flash point: > 257F/125C

The product is not self-igniting. The product is not explosive.

FIRE AND EXPLOSION HAZARD: EXCESSIVE HEAT MAY CAUSE PRESSURE BUILD UP IN UNVENTED VESSEL.

UPPER EXPLOSIVE LIMIT: NDA

LOWER EXPLOSIVE LIMIT: NDA

AVOID BREATHING TOXIC AND IRRITATING VAPORS.

FIRE FIGHTING:

Appropriate extinguishing agents: foam (alcohol resistant), carbon dioxide, powder, aerosol (water)

Inappropriate extinguishing agents for safety reasons: water jet Special hazards caused by the substance or

formulation itself, its combustion products or emerging gases: Inhaling hazardous decomposition products may

cause serious damage to health. Special protective equipment for fire fighting: Wear protective clothing.

Breathing equipment may be necessary. Additional notice: Do not allow water from fire fighting into the sewage

system. SELF CONTAINED BREATHING APPARATUS WITH A FULL FACE PIPE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE

PRESSURE MODE.

SECTION IV HEALTH HAZARD DATA

FIRST AID MEASURES General notice: In case of symptoms or if in doubt always get medical advice. In case of

unconsciousness do not feed anything through the person's mouth. After inhalation: Provide fresh air, bring

the injured person into rest position and keep him/her warm. If breathing is irregular or stops, induce

artificial respiration. In case of unconsciousness bring into recovery position and get medical advice. After

contact with skin: Immediately take off stained and drenched clothing. Cleanse affected skin thoroughly with

water and soap or with an appropriate detergent. Do not use solvents or thinners. After contact with eyes:

Remove contact lenses, keep eyelids open and rinse with clear, running water for at least 10 minutes. Get

medical advice. After swallowing: After swallowing consult GP immediately. Keep injured person quiet. Do not

induce vomiting.

FIRST AID AND HEALTH EFFECTS: INHALATION:

Primary irritating effect: on the skin: irritates skin and mucus membranes on the eyes: irritating effect

sensitization: sensitization possible through inhalation sensitization possible through contact with skin

MAY CAUSE NASAL, THROAT IRRITATION WITH A CHOKING SENSATION. NEUROLOGIC DISTURBANCES, PNEUMONITIS, HEADACHE,

NAUSEA, VOMITING, AND ABDOMINAL PAIN MAY OCCUR AFTER EXTREME EXPOSURE. FIRST AID- REMOVE FROM EXPOSURE.

SKIN CONTACT: DIRECT CONTACT MAY PRODUCE IRRITATION. PROLONGED CONTACT MAY RESULT IN ECZEMA AND SENSITIZATION

DERMATITIS. FIRST AID- WASH AFFECTED AREAS WITH SOAP AND WATER UNTIL NO EVIDENCE OF CONTAMINATION REMAINS. IF

IRRITATION PERSISTS, GET MEDICAL ATTENTION.

EYE CONTACT: CONTACT MAY CAUSE IRRITATION AND CONJUNCTIVITIS. DIRECT CONTACT MAY CAUSE IRRITATION, PAIN,

LACRIMATION, AND POSSIBLE CORNEAL DAMAGE AND OPACITY. FIRST AID- WASH EYES WITH WATER FOR AT LEAST 15 MINUTES.

GET MEDICAL ATTENTION.

INGESTION: DIRECT CONTACT MAY CAUSE SEVERE IRRITATION SORE THROAT, ABDOMINAL PAIN AND DIARRHEA. FIRST AID- IF

CORROSION IS EVIDENT, DO NOT INDUCE VOMITING; REMOVE BY GASTRIC LAVAGE. GET MEDICAL ATTENTION IMMEDIATELY.

TOXICITY:

Acute toxicity: LD/LC50 values relevant for classification: persulphates, inorganic oral/LD50: 929 mg/kg (rat) dermal/LD50: > 10000 mg/kg (rabbit) inhalativ/LC50/1h: > 191 mg/kg (rat)

Primary irritating effect:

on the skin: slightly irritating

SECTION V: SPECIAL PROTECTION INFORMATION:

VENTILATION: MECHANICAL GENERAL/LOCAL EXHAUST VENTILATION TO CONTROL VAPOR OR MISTS BELOW MAXIMUM EXPOSURE LIMITS

CLOTHING: APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING AND EQUIPMENT TO PREVENT SKIN CONTACT WITH THE SUBSTANCE.

GLOVES: APPROPRIATE PROTECTIVE GLOVES TO PREVENT CONTACT WITH THIS SUBSTANCE.

EYE PROTECTION: SAFETY GOGGLES AND A FACE SHIELD TO PREVENT CONTACT WITH THE SUBSTANCE. THE EMPLOYER SHALL PROVIDE AN EYE-WASH FOUNTAIN WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE.

SECTION VI HANDLING OF SPILLS OR LEAKS

ACCIDENTAL RELEASE MEASURES Personal precautions: Wear protective equipment. Keep away unprotected persons. Observe safety regulations (see chapters 7 and 8). Environmental protection measures: Do not allow into the sewage system. In the event of pollution of rivers, lakes or sewers inform the relevant authorities in compliance with local legislation. Process of cleaning: Enclose released material with inflammable absorbent (e.g. sand, soil, diatomaceous earth, vermiculite) and collect it in appropriate containers for disposal in compliance with local regulations

COVER SPILLS WITH INERT ABSORBENT MATERIAL SUCH AS CLAY OR VERMICULITE. TRANSFER TO WASTE DISPOSAL CONTAINER. DISPOSAL MUST BE MADE CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS. DISTRIBUTOR/MANUFACTURER IS NOT RESPONSIBLE FOR DISPOSAL OF CONTAINERS.

SECTION VII SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID CONTACT WITH MOISTURE, MATERIAL MAY REACT AND GENERATE CO₂. STORE BETWEEN 60 AND 85 DEGREES F.

SECTION VIII TRANSPORTATION

Transport may only be carried out in compliance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air.

Surface transport

ADR/RID class: 5.1

UN number: 3215

Transport document name PERSULPHATES, INORGANIC, N.O.S.

contains: PERSULPHATES, INORGANIC

Packaging group: III

Limited Quantities (LQ 12)

Ocean shipping transport

IMDG class: 5.1

EmS: F-A, S-Q

UN number: 3215

Proper shipping name: PERSULPHATES, INORGANIC, N.O.S.

contains: PERSULPHATES, INORGANIC

Packaging group: III

Marine pollutant: n.a.

SECTION IX PRECAUTIONARY COMMENTS

Handling Notice for safe handling: Store in well-sealed containers in a cool dry place. Do not eat, drink, smoke while at work. Follow statutory protection and safety provisions.

Notice on fire and explosion protection:

No special measures required.

Storage

Requirements for storage rooms and containers:

Store containers closely sealed at 50F-85F 5C to 30C.

Notice on joint storage:

Not required.

Further details on storage conditions:

Always store in original container.

Keep out of heat and direct solar radiation.

Conditions to be avoided: Stable if recommended prescriptions for storage and handling are applied. Substances to be avoided: Keep away from strongly acid and alkaline materials as well as oxididants to revent exothermic reactions. Hazardous decomposition products: At high temperatures hazardous decomposition products may form, such as carbon dioxide, carbon monoxide, smoke, nitric oxides.

ALL RECOMMENDATIONS, STATEMENTS AND TECHNICAL DATA HERIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE AND CORRECT, BUT ACCURACY AND COMPLETENESS OF SAID TESTS ARE NOT GUARANTEED AND ARE NOT TO BE CONSTRUED AS A WARRANTY EITHER IMPRESSED OR IMPLIED. USER SHALL RELY ON HIS OR HER OWN INFORMATION AND TESTS TO DETERMINE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND USER ASSUMES ALL RISK AND LIABILITY RESULTING FROM HIS OR HER USE OF THE PRODUCT. SELLER'S AND MANUFACTURER'S SOLE RESPONSIBILITY SHALL BE TO REPLACE THAT PORTION OF THE PRODUCT OF THIS MANUFACTURER WHICH PROVES TO BE DEFECTIVE. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE TO THE BUYER OR ANY THIRD PERSON FOR ANY INJURY, LOSS OR DAMAGE DIRECTLY OR INDIRECTLY RESULTING FROM USE OF OR INABIILITY TO USE THE PRODUCT. RECOMMENDATIONS AND STAEMENTS OTHER THAN THOSE CONTAINED IN A WRITTEN AGREEMENT SIGNED BY AN OFFICER OF THE MANUFACTURER SHALL NOT BE BINDING UPON THE MANUFACTURER OR SELLER.