

SECTION 1. IDENTIFICATION

Brand: Cre8tion

Trade Name: Titanium Gel Base

Product Number: 0916-1372

Address: 11561 Westminster Ave, Garden Grove, CA 92843

SECTION 2. HAZARDS IDENTIFICATION

OSHA/HCS status:

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

Classification of the substance or mixture:

SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1A
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 82%

GHS label elements

Hazard pictograms:



Signal word:

Warning

Hazard statements:

Causes serious eye irritation.
Causes skin irritation.
May cause an allergic skin reaction.

Precautionary statements

Prevention:

Wear protective gloves. Wear eye or face protection. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response:

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical 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 attention.

Storage:

Not applicable

Disposal:

Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified:

None known

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture
Other means of identification: Not available
CAS number/other identifiers
CAS number: Not applicable

| Ingredient name | CAS number | EC number | INCI Name | % |
|---|------------|------------|---|-------|
| *Acrylates Copolymer oligomer | 25035-69-2 | / | *AcrylatesCopolymer | 80-90 |
| *Hydroxycyclohexyl Phenyl Ketone | 947-19-3 | / | *Hydroxycyclohexyl Phenyl Ketone | 5-10 |
| *Trimethylbenzoyl Diphenylphosphine Oxide | 75980-60-8 | 278-3558 / | *Trimethylbenzoyl Diphenylphosphine Oxide | 5-10 |
| *Dimethicone | 9006-65-9 | | *Dimethicone | 0.5-2 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of necessary first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse

SECTION 4. FIRST AID MEASURES (cont.)

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: Causes serious eye irritation
Inhalation: No known significant effects or critical hazards.
Skin contact: Causes skin irritation. May cause an allergic skin reaction.
Ingestion: Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:
pain or irritation
watering
redness
Inhalation: No specific data
Skin contact: Adverse symptoms may include the following:
irritation
redness
Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments: No specific treatment
Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

| | |
|--|---|
| Suitable extinguishing media: | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media: | None known |
| Specific hazards arising from the chemical: | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous thermal decomposition products: | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| Special protective actions for fire-fighters: | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire-fighters: | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

SECTION 6. ACCIDENTAL RELEASE MEASURES (cont.)

Large spill:

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities:

Shield UV light sources. Do not store above the following temperature: 38°C (100.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|---|--|
| Trimethylbenzoyl Diphenylphosphine Oxide | AIHA WEEL (United States, 10/2011). Absorbed through skin. TWA: 0.2 mg/m ³ 8 hours. |

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants

Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Physical state: | Liquid. [Viscous liquid.] |
| Color: | Clear. Violet. [Light] |
| Odor: | Characteristic. Acrylate odor [Slight] |
| pH: | Not available |
| Melting point: | Not available. |
| Boiling point: | Not available |
| Flash point: | Closed cup: >100°C (>212°F) [Setaflash.] |
| Lower and upper explosive (flammable) limits: | Not available |
| Vapor pressure: | Not available |
| Vapor density: | Not available |
| Relative density: | 1.15 |
| Solubility: | Insoluble in the following materials: cold water and hot water. |
| Solubility in water: | Not available. |
| Partition coefficient: noctanol/ water: | Not available |
| Auto-ignition temperature: | Not available |
| Viscosity: | Not available |

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous reactions: Hazardous polymerization may occur under certain conditions of storage or use. These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.

Conditions to avoid: No specific data.

Incompatible materials: No specific data

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|-----------|---------|-----------|----------|
| Trimethylbenzoyl Diphenylphosphine Oxide | LD50 Oral | Rat | 3200mg/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|--|----------------------|---------|-------|----------|-------------|
| Trimethylbenzoyl - Diphenylphosphine Oxide | Skin - Mild irritant | Rabbit | - | - | 500 mgs |

Information on the likely routes of exposure: Not available.

Potential acute health effects

| | |
|----------------------|--|
| Eye contact: | Causes serious eye irritation. |
| Inhalation: | No known significant effects or critical hazards. |
| Skin contact: | Causes skin irritation. May cause an allergic skin reaction. |
| Ingestion: | Irritating to mouth, throat and stomach. |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|----------------------|--|
| Eye contact: | Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation: | No specific data. |
| Skin contact: | Adverse symptoms may include the following: irritation redness |
| Ingestion: | No specific data. |

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

| | |
|-------------------------------------|----------------|
| Potential immediate effects: | Not available. |
| Potential delayed effects: | Not available. |

Long term exposure

| | |
|---|----------------|
| Potential immediate effects: | Not available. |
| Potential delayed effects: | Not available. |
| Potential chronic health effects | Not available. |

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

| | |
|-------------------------------|---|
| Carcinogenicity: | No known significant effects or critical hazards. |
| Mutagenicity: | No known significant effects or critical hazards. |
| Teratogenicity: | No known significant effects or critical hazards. |
| Developmental effects: | No known significant effects or critical hazards. |
| Fertility effects: | No known significant effects or critical hazards. |

Numerical measures of toxicity - Acute toxicity estimates: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Not available

Bio accumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|---|--------------------|-----|-----------|
| Trimethylbenzoyl Diphenylphosphine Oxide | 0.23 | - | Low |

Mobility in soil

Soil/water partition

coefficient (K_{oc}): Not available.

Other adverse effects: No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14. TRANSPORT INFORMATION

| | DOT Classification | TDG Classification | Mexico Classification | ADR/RID | IMDG | IATA |
|-----------------------------------|---------------------------|---------------------------|------------------------------|----------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | - | - | - | - | - | - |
| Transport hazard class(es) | - | - | - | - | - | - |
| Packing group | - | - | - | - | - | - |
| Environmental hazards | No. | No. | No. | No. | No. | No. |
| Additional information | - | - | - | - | - | - |

Special precautions for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not available.

SECTION 15. REGULATORY INFORMATION

U.S. Federal regulations: **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined **United States inventory (TSCA 8b):** All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed
Clean Air Act Section 602 Class I Substances: Not listed
Clean Air Act Section 602 Class II Substances: Not listed
DEA List I Chemicals (Precursor Chemicals): Not listed
DEA List II Chemicals (Essential Chemicals): Not listed

SARA 302/304

Composition/information on ingredients No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312

Classification: Immediate (acute) health hazard

Composition/information on ingredients

| Name | % | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) | Delayed (chronic) health hazard |
|--|-------|-------------|----------------------------|----------|-------------------|---------------------------------|
| Acrylates Copolymer oligomer | 85-95 | No. | No. | No. | Yes. | No. |
| Hydroxycyclohexyl Phenyl Ketone | 3-10 | No. | No. | No. | Yes. | No. |
| Trimethylbenzoyl Diphenylphosphine Oxide | 3-10 | No | No | No | Yes. | No |
| Dimethicome | 0.5-2 | No | No | No | Yes. | No |

SECTION 15. REGULATORY INFORMATION (cont.)

State regulations

| | |
|-----------------------|------------------------------------|
| Massachusetts: | None of the components are listed. |
| New York: | None of the components are listed. |
| New Jersey: | None of the components are listed. |
| Pennsylvania: | None of the components are listed. |

Canada inventory: Not determined.

International regulations

International lists: Not listed

Chemical Weapons

Convention List Schedule

I Chemicals: Not listed

Chemical Weapons

Convention List Schedule

II Chemicals: Not listed

Chemical Weapons

Convention List Schedule Not listed

III Chemicals:

SECTION 16. OTHER INFORMATION

Hazardous Material Information System (U.S.A.)

| | |
|---------------------|---|
| Health | 2 |
| Flammability | 1 |
| Physical hazards | 1 |
| Personal protection | |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



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Version: 1

Key to abbreviations: ATE = Acute Toxicity Estimate
BCF = Bio concentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
Log Pow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marplot" = marine pollution)
UN = United Nations

References

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

SECTION 1. IDENTIFICATION

Brand: Cre8tion

Trade Name: Titanium Gel (Color)

Product Number: Multiple Color Numbers

Address: 11561 Westminster Ave, Garden Grove, CA 92843

SECTION 2. HAZARDS IDENTIFICATION

Emergency overview:

Warning: Flammable Liquid. This product is an eye irritant. Skin sensitizer. Repeated exposure may cause skin dryness or cracking.

Reacts with water, with formation of hydrogen.

On contact with water, gaseous decomposition products are formed, which cause build-up of pressure in tightly closed containers.

This substance is considered to be non-hazardous for transport.

Potential health effects:

Primary routes of entry: Ingestion, Skin, Inhalation, Eyes.

Chronic toxicity:

Repeated dose toxicity:

Overexposure to ethyl acetate may cause decreased body and organ weight and decreased food consumption, hypoactivity, blepharospasm and lack of startle reflex; degeneration of nasal mucosa, respiratory irritation, labored breathing, pulmonary edema and hemorrhage of the lungs. Ingestion may cause nausea, vomiting and diarrhea. The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity: No data available concerning reproduction toxicity.

Teratogenicity: No data available concerning teratogenic effects.

Genotoxicity: No data available concerning mutagenic activity.

SECTION 2. HAZARDS IDENTIFICATION (cont.)

WARNING

Harmful If Swallowed, Absorbed Through Skin or Inhaled.

Do Not Spray. Do Not Heat.

May Cause Allergic Skin Reaction.

Causes Eye, Skin and Respiratory Tract Irritation

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Skin contact: Contact skin will cause irritation.

Eye contact: Contact with eyes will cause irritation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Description: Mixture of the substances listed below with harmless additions.

| INCI NAME | CAS | % |
|-------------------------------|-----------|----|
| 1-methoxy-2-propyl acetate | 108-65-6 | 70 |
| Aluminium powder (stabilized) | 7429-90-5 | 30 |

SECTION 4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical attention if symptoms occur. Generally, the product does not irritate the skin.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention if symptoms develop or persist.

Ingestion: Do not induce vomiting. Keep individual calm. Get medical attention immediately.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents: Dry powder, Dry sand, Alcohol-resistant foam

For safety reasons unsuitable extinguishing agents: Water

Protective equipment: Wear self-contained breathing apparatus. Wear full protective suit

SECTION 6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Prevent material from reaching sewage system, holes and cellars. Do not allow to enter drainage system, surface or ground water.

Measures for cleaning / collecting:

Do not flush with water or aqueous cleansing agents.

Additional information:

See Section 7 for information on safe handling.

SECTION 7. HANDLING AND STORAGE

Handling Information for safe handling:

Store in cool, dry place in tightly closed containers. Information about protection against explosions and fires: Keep ignition sources away – Do not smoke. Protect against electrostatic charges.

Storage Information for safe storage:

Requirements to be met by storerooms and containers: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well-sealed containers

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Control parameters:

108-65-6 1-methoxy-2-propyl acetate:

Short-term value: 560 mg/m³, 150 ppm

Long-term value: 375 mg/m³, 100 ppm

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (cont.)

7429-90-5 aluminum powder (stabilized):

Long-term value: 15mg/m³ Total dust, 5mg/m³ Respirable dust

Additional information:

The lists that were valid during the compilation were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

Breathing equipment: Not required.

Protection of hands: Not mandatory.

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 is 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 must be observed.

Eye protection: Tightly sealed safety glasses.

Skin protection: Protective work clothing.

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory protection: Use COSHA approved respirator if there is potential to exceed exposure limit(s). If this material is handled at elevated temperatures or under mist forming conditions, without engineering controls, a COSHA approved respirator must be used.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---------------------------------|
| Physical state | Liquid |
| Odor | Characteristic |
| Color | Silver Grey |
| Boiling point/range | Greater than 146°C |
| Melting point/range | Not available |
| Density at 20°C | 1.0 – 1.4 g/cm ³ |
| Solubility in / Miscibility with Water: | Not mixible or difficult to mix |

SECTION 10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous products of decomposition: No dangerous decomposition products known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

On the skin: No irritant effect.

On the eye: Irritant effect.

Sensitization: No sensitizing effect known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: Irritant

SECTION 12. ECOLOGICAL INFORMATION

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

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

Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.

SECTION 14. TRANSPORT INFORMATION

Land transport ADR / RID and GGVS / GGVE (cross-border / domestic)

ADR / RID-GGVS / E Class: 3 Flammable liquids.

Kemler Number: 30

UN-Number: 3272

Packaging group: III

Label: 3

Designation of goods: 3272 Esters, N.O.S. (1-methoxy-2-propyl acetate)

Maritime transport IMDG / GGVSea:

IMDG / GGVSea Class: 3

UN Number: 3272

Label: 3

Packaging group: III

EMS Number: F-E, S-D

Marine pollutant: No

Correct technical name: ESTERS, N.O.S. (1-methoxy-2-propyl acetate)

Air transport ICAO-TI and IATA-DGR:

ICAO / IATA Class: 3

UN / ID Number: 3272

Label: 3

Packaging group: III

Correct technical name: ESTERS, N.O.S. (1-methoxy-2-propyl acetate)

SECTION 15. REGULATORY INFORMATION

Designation according to EC guidelines:

The product has been classified and labeled in accordance with EC Directives /

Ordinance on Hazardous Materials (GefStoffV)

Code letter and hazard designation of product:

Xi Irritant

Risk phrases:

10 Flammable.

36 Irritating to eyes.

Safety phrases:

7/8 Keep container tightly closed and dry.

25 Avoid contact with eyes.

National regulations:

Technical instructions (air):

| Class | Share in % |
|-------|------------|
| III | 90.0 |

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

SECTION 16. OTHER INFORMATION

Relevant R-phrases:

10 Flammable.

15 Contact with water liberates extremely flammable gases.

36 Irritating to eyes.

DISCLAIMER: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It was obtained from sources, which we believe are reliable but cannot guarantee. Additionally, your use of this information is beyond our control and may be beyond our knowledge. Therefore, the information is provided without any representation or warranty express or implied and shall not establish a legally valid contractual relationship. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

SECTION 1. IDENTIFICATION

Brand: Cre8tion

Trade Name: Titanium Gel Top

Product Number: 0916-1373

Address: 11561 Westminster Ave, Garden Grove, CA 92843

SECTION 2. HAZARDS IDENTIFICATION

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture: SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1A
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 82%

GHS label elements
Hazard pictograms:



Signal word: Warning
Hazard statements: Causes serious eye irritation.
Causes skin irritation.
May cause an allergic skin reaction.

Precautionary statements
Prevention:

Wear protective gloves. Wear eye or face protection. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical 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 attention.

Storage: Not applicable

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified: None known

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture
Other means of identification: Not available

CAS number/other identifiers

CAS number: Not applicable

| Ingredient name | CAS number | EC number | INCI Name | % |
|---|------------------------|------------------------|---|----------------|
| *Acrylates Copolymer oligomer | 25035-69-2 | / | *Acrylates Copolymer | 78-85 |
| *Isobornyl Acrylate | 5888-33-5 | 227-561-6 | *Isobutyl Acrylate | 8-15 |
| *Hydroxycyclohexyl Phenyl Ketone | 947-19-3 75980-60-8 | 213-426-9 278-355-8 | *Hydroxycyclohexyl Phenyl Ketone | 1.5-5 15.-5 |
| *Trimethylbenzoyl Diphenylphosphine Oxide | 9006-65-9 | / | *Trimethylbenzoyl Diphenylphosphine Oxide | 0.5-2 |
| Dimethicome | | | *Dimethicome | |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of necessary first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse

SECTION 4. FIRST AID MEASURES (cont.)

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband

Most important symptoms/effects, acute and delayed Potential acute health effects

Eye contact: Causes serious eye irritation
Inhalation: No known significant effects or critical hazards.
Skin contact: Causes skin irritation. May cause an allergic skin reaction.
Ingestion: Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:
pain or irritation
watering
redness
Inhalation: No specific data
Skin contact: Adverse symptoms may include the following:
irritation
redness
Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments: No specific treatment
Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

| | |
|--|---|
| Suitable extinguishing media: | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media: | None known |
| Specific hazards arising from the chemical: | In a fire or if heated, a pressure increase will occur, and the container may burst. |
| Hazardous thermal decomposition products: | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| Special protective actions for fire-fighters: | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire-fighters: | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SECTION 6. ACCIDENTAL RELEASE MEASURES (cont.)

Methods and materials for containment and cleaning up

- Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Shield UV light sources. Do not store above the following temperature: 38°C (100.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters Occupational exposure limits

| Ingredient name | Exposure limits |
|--------------------|--|
| Isobornyl Acrylate | AIHA WEEL (United States, 10/2011). Absorbed through skin. TWA: 1 mg/m ³ 8 hours. |

| | |
|-----------------------------------|--|
| Appropriate engineering controls: | Good general ventilation should be sufficient to control worker exposure to airborne contaminants |
| Environmental exposure controls | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed, and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Physical state: | Liquid. [Viscous liquid.] |
| Color: | Clear. Violet. [Light] |
| Odor: | Characteristic. Acrylate odor [Slight] |
| pH: | Not available |
| Melting point: | Not available. |
| Boiling point: | Not available |
| Flash point: | Closed cup: >100°C (>212°F) [Setaflash.] |
| Lower and upper explosive (flammable) limits: | Not available |
| Vapor pressure: | Not available |
| Vapor density: | Not available |
| Relative density: | 1.15 |
| Solubility: | Insoluble in the following materials: cold water and hot water. |
| Solubility in water: | Not available. |
| Partition coefficient: noctanol/ water: | Not available. |
| Auto-ignition temperature: | Not available. |
| Viscosity: | Not available |

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous reactions: Hazardous polymerization may occur under certain conditions of storage or use. These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.

Conditions to avoid: No specific data.

Incompatible materials: No specific data

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|-----------|---------|-----------|----------|
| Isobornyl Acrylate | LD50 Oral | Rat | 4000mg/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|----------------------|---------|-------|----------|-------------|
| Isobornyl Acrylate | Skin - Mild irritant | Rabbit | - | 500 mgs | - |

Information on the likely routes of exposure: Not available.

Potential acute health effects

| | |
|----------------------|--|
| Eye contact: | Causes serious eye irritation. |
| Inhalation: | No known significant effects or critical hazards. |
| Skin contact: | Causes skin irritation. May cause an allergic skin reaction. |
| Ingestion: | Irritating to mouth, throat and stomach. |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|----------------------|--|
| Eye contact: | Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation: | No specific data. |
| Skin contact: | Adverse symptoms may include the following: irritation redness |
| Ingestion: | No specific data. |

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

| | |
|-------------------------------------|----------------|
| Potential immediate effects: | Not available. |
| Potential delayed effects: | Not available. |

Long term exposure

| | |
|--|----------------|
| Potential immediate effects: | Not available. |
| Potential delayed effects: | Not available. |
| Potential chronic health effects: | Not available. |

| | |
|-------------------------------|---|
| General: | Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Carcinogenicity: | No known significant effects or critical hazards. |
| Mutagenicity: | No known significant effects or critical hazards. |
| Teratogenicity: | No known significant effects or critical hazards. |
| Developmental effects: | No known significant effects or critical hazards. |
| Fertility effects: | No known significant effects or critical hazards. |

Numerical measures of toxicity Acute toxicity estimates: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

| Product/ingredient name | Result | Species |
|-------------------------|---------------------|---------|
| Isobornyl acrylate | AcuteLC50 22000µg/L | Rat |
| | | 96hours |

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| Isobornyl Acrylate | 0.42 | - | Low |
| | | | |

Mobility in soil

Soil/water partition

coefficient (K_{oc}): Not available.

Other adverse effects: No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14. TRANSPORT INFORMATION

| | DOT Classification | TDG Classification | Mexico Classification | ADR/RID | IMDG | IATA |
|----------------------------|--------------------|--------------------|-----------------------|----------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | - | - | - | - | - | - |
| Transport hazard class(es) | - | - | - | - | - | - |
| Packing group | - | - | - | - | - | - |
| Environmental hazards | No. | No. | No. | No. | No. | No. |
| Additional information | - | - | - | - | - | - |

Special precautions for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not available.

SECTION 15. REGULATORY INFORMATION

U.S. Federal regulations:

Clean Air Act Section 112

(b) Hazardous Air

Pollutants (HAPs):

Clean Air Act Section 602

Class I Substances:

Clean Air Act Section 602

Class II Substances: DEA

List I Chemicals

(Precursor Chemicals):

DEA List II Chemicals

(Essential Chemicals):

TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): All components are listed or exempted.

Not listed

Not listed

Not listed

Not listed

Not listed

SECTION 15. REGULATORY INFORMATION (cont.)

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312

Classification: Immediate (acute) health hazard

Composition/information on ingredients

| Name | % | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) | Delayed (chronic) health hazard |
|--|-------|-------------|----------------------------|----------|-------------------|---------------------------------|
| Acrylates Copolymer oligomer | 78-85 | No. | No. | No. | Yes. | No. |
| Isobornyl Acrylate | 8-15 | No. | No. | No. | Yes. | No. |
| Hydroxycyclohexyl Phenyl Ketone | 1.5-5 | No. | No. | No. | Yes. | No. |
| Trimethylbenzoyl Diphenylphosphine Oxide | 1.5-5 | No | No | No | Yes. | No |
| Dimethicone | 0.5-2 | No | No | No | Yes. | No |

State regulations

Massachusetts: None of the components are listed.
New York: None of the components are listed.
New Jersey: None of the components are listed.
Pennsylvania: None of the components are listed.
Canada inventory: Not determined.

International regulations

International lists: Not listed
Chemical Weapons Convention List Schedule I Chemicals: Not listed
Chemical Weapons Convention List Schedule II Chemicals: Not listed
Chemical Weapons Convention List Schedule III Chemicals: Not listed

SECTION 16. OTHER INFORMATION

Hazardous Material Information System (U.S.A.)

| | |
|---------------------|---|
| Health | 2 |
| Flammability | 1 |
| Physical hazards | 1 |
| Personal protection | |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



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Key to abbreviations:

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References

Indicates information that has changed from previously issued version.

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