

SAFETY DATA SHEET

MUFX Black - PRODIGY

Section 1. Identification

Product identifier : MUFX Black - PRODIGY
Product code : 1424092, 1424092-01LT
Chemical name : MUFX Black - PRODIGY
Other means of identification : MUFX Black - PRODIGY
Product type : liquid

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Ink and Coatings, Printing

Supplier's details : INX Digital Czech a.s.

Do Certous 2621/13 - Hall I2
 193 00 Prague 20 - Horni Pocernice
 Czech Republic

Emergency telephone number (with hours of operation) : 800.535.5053 INFOTRAC 24 Hour Spill and Emergency (010-1-352-323-3500 outside of North America)

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 IRRITATION - Category 2
 EYE IRRITATION - Category 2A
 SKIN SENSITIZATION - Category 1
 TOXIC TO REPRODUCTION (Fertility) - Category 2
 TOXIC TO REPRODUCTION (Unborn child) - Category 2
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (liver, respiratory tract) - Category 1

GHS label elements

Hazard pictograms**Signal word****Hazard statements**

- : Danger
- : H319:Causes serious eye irritation.(liver)
- : H315:Causes skin irritation.
- : H317:May cause an allergic skin reaction.
- : H361:Suspected of damaging fertility or the unborn child.
- : H335:May cause respiratory irritation.
- : H372:Causes damage to organs through prolonged or repeated exposure.

Precautionary statements**General**

- : P103:Read label before use.
- : P102:Keep out of reach of children.
- : P101:If medical advice is needed, have product container or label at hand.

Prevention

- : P201:Obtain special instructions before use.
- : P202:Do not handle until all safety precautions have been read and understood.
- : P280:Wear protective gloves.
- : P280:Wear eye or face protection.
- : P280:Wear protective clothing.
- : P271:Use only outdoors or in a well-ventilated area.
- : P260:Do not breathe vapor.
- : P270:Do not eat, drink or smoke when using this product.
- : P264:Wash hands thoroughly after handling.
- : P272 (OSHA):Contaminated work clothing must not be allowed out of the workplace.

Response

- : P314:Get medical attention if you feel unwell.
- : P308:IF exposed or concerned:
- : P313:Get medical attention.
- : P304:IF INHALED:
- : P340:Remove person to fresh air and keep comfortable for breathing.
- : P312:Call a POISON CENTER or physician if you feel unwell.
- : P302:IF ON SKIN:
- : P352:Wash with plenty of soap and water.
- : P363:Wash contaminated clothing before reuse.
- : P333:If skin irritation or rash occurs:
- : P313:Get medical attention.
- : P305:IF IN EYES:
- : P351:Rinse cautiously with water for several minutes.
- : P338:Remove contact lenses, if present and easy to do. Continue rinsing.
- : P337:If eye irritation persists:
- : P313:Get medical attention.

Storage

- : P405:Keep Locked up.

Disposal

- : P501: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
Chemical name : MUFX Black - PRODIGY
Other means of identification : MUFX Black - PRODIGY

Ingredient name	%	CAS number
Multi-functional Monomer	>= 25 - <= 50	-
Monofunctional Monomer	>= 10 - <= 25	-
Diacrylate Monomer	> 0 - <= 10	-
1-Vinylhexahydro-2H-azepin-2-one	> 0 - <= 10	2235-00-9
Photoinitiator	> 0 - <= 10	-
Monofunctional Monomer	> 0 - <= 10	-
Amine Modified Acrylate Oligomer	> 0 - <= 10	-
Diacrylate Oligomer	> 0 - <= 5	-
Acrylate Ester Monomers	> 0 - <= 3	-
Triacrylate Monomer	> 0 - < 1	-

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 it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under

- medical surveillance for 48 hours.
- 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.
- 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. 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** : May cause respiratory irritation.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

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

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to

- Specific treatments** : be kept under medical surveillance for 48 hours.
: No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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
nitrogen oxides
sulfur oxides
phosphorus oxides
- 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 non-emergency 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.
- 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. \20 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. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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** :
- Store in accordance with local regulations. \20 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 Locked up. 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
Multi-functional Monomer	None.
Monofunctional Monomer	None.
Diacrylate Monomer	AIHA WEEL (1999-01-01) Skin sensitizer TWA 1 mg/m ³
1-Vinylhexahydro-2H-azepin-2-one	None.
Photoinitiator	None.
Monofunctional Monomer	None.
Amine Modified Acrylate Oligomer	None.
Diacrylate Oligomer	None.
Acrylate Ester Monomers	None.
Triacrylate Monomer	None.

Appropriate engineering controls

- : Use only with adequate ventilation.\20 If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.\20 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.'20 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	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification.'20 Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state	:	liquid
Color	:	Black.
Odor	:	Not available.
Odor threshold	:	Not available.
pH	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not Measured. Material is not expected to flash.
Fire point	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive (flammable) limits	:	Lower: Not available. Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	1.03
Solubility	:	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.

Decomposition temperature	:	Not available.
Viscosity	:	Dynamic: Not available. Kinematic: Not available.
Flow time (ISO 2431)	:	Not available.
VOC %	:	0 %(m) Weight %

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	:	Under normal conditions of storage and use, hazardous reactions will not occur.
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
Diacrylate Monomer	LD50 Oral	Rat	5,000 mg/kg	-
1-Vinylhexahydro-2H-azepin-2-one	LD50 Oral	Rat	1,114 mg/kg	-
Photoinitiator	LD50 Oral	Rat	5,000 mg/kg	-

Conclusion/Summary : Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Multi-functional Monomer	Eyes - Mild irritant	Rabbit	-		-
	Skin - Moderate irritant	Rabbit	-		-
Diacrylate Monomer	Skin - Severe irritant	Rabbit	-	24 hrs	-

Conclusion/Summary

Skin	:	Not available.
Eyes	:	Not available.
Respiratory	:	Not available.

Sensitization**Conclusion/Summary**

Skin : Not available.
Respiratory : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Multi-functional Monomer	Category 3	Not applicable	Respiratory tract irritation
Monofunctional Monomer	Category 3	Not applicable	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
1-Vinylhexahydro-2H-azepin-2-one	Category 1	Not determined	liver respiratory tract

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.
Inhalation : May cause respiratory irritation.
Skin contact : Causes skin irritation. May cause an allergic skin reaction.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

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

- Conclusion/Summary** : Not available.
- General** : Causes damage to organs through prolonged or repeated exposure. 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 : Suspected of damaging the unborn child.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : Suspected of damaging fertility.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	7,154.2 mg/kg
Dermal	10,244.2 mg/kg

Section 12. Ecological information

Toxicity

Conclusion/Summary : Not available.

Persistence and degradability

Conclusion/Summary : Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Diacrylate Monomer	2.81	-	low
Photoinitiator	-	53.00 - 72.00	low
Triacrylate Monomer	2.52	-	low

Mobility in soil






Soil/water partition coefficient (KOC) : 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 Classificati on	TDG Classificati on	Mexico Classificati on	ADR/RID	IMDG	IATA
UN number	-	UN3082	UN3082	UN3082	UN3082	UN3082
UN proper shipping name	Not regulated.	ENVIRONM ENTALLY HAZARDOU S SUBSTANC E, LIQUID, N.O.S. (Multi- functional Monomer, Monofunctio nal Monomer)	ENVIRONM ENTALLY HAZARDOU S SUBSTANC E, LIQUID, N.O.S. (Monofunctio nal Monomer, Multi- functional Monomer)	ENVIRONM ENTALLY HAZARDOU S SUBSTANC E, LIQUID, N.O.S. (Monofunctio nal Monomer, Multi- functional Monomer)	ENVIRONM ENTALLY HAZARDOU S SUBSTANC E, LIQUID, N.O.S. (Multi- functional Monomer, Monofunctio nal Monomer)	ENVIRONM ENTALLY HAZARDOU S SUBSTANC E, LIQUID, N.O.S. (Monofunctio nal Monomer, Multi- functional Monomer)
Transport hazard class(es)	-					
Packing group	-	III	III	III	III	III
Environme ntal hazards	No.	Yes.	Yes.	Yes.	III	III

Additional information

- TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.43-2.45 (Class 9), 2.7 (Marine pollutant mark)
Non-bulk packages of this product are not regulated as dangerous goods when transported by road or rail.
- Mexico Classification** : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
- ADR/RID** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
Tunnel code: -
- IMDG** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IATA** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

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 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 - TSCA 8(a) - Preliminary assessment report (PAIR): Octamethylcyclotetrasiloxane;
 Decamethylcyclopentasiloxane; bis(2-ethylhexyl) maleate;
Clean Air Act (CAA) 112 accidental release prevention:

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : 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 : SKIN IRRITATION
 Category 2EYE IRRITATION
 Category 2SKIN SENSITIZATION
 Category 1TOXIC TO REPRODUCTION
 Fertility
 Category 2TOXIC TO REPRODUCTION
 Unborn child
 Category 2SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
 Respiratory tract irritation
 Category 3SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)
 liver
 respiratory tract
 Category 1

Composition/information on ingredients

Name	%	Classification
Multi-functional Monomer	>= 25 - <= 50	312 DELAY HLTH312 IMMEDIATE HLTH312 REACTIVESkin Irrit., 2Eye Irrit., 2ASkin Sens., 1BSTOT SE,, 3
Monofunctional Monomer	>= 10 - <= 25	Skin Sens., 1Repr., D, 2
Diacrylate Monomer	> 0 - <= 10	Skin Irrit., 2Eye Irrit., 2ASkin Sens., 1
1-Vinylhexahydro-2H-azepin-2-one	> 0 - <= 10	Acute Tox., 4Acute Tox., 4Eye Irrit., 2ASkin Sens., 1STOT RE,, 1
Photoinitiator	> 0 - <= 10	312 DELAY HLTH312 IMMEDIATE HLTHSkin Sens., 1BRepr., F, 2Repr., D, 2
Monofunctional Monomer	> 0 - <= 10	Skin Sens., 1STOT SE,, 3
Amine Modified Acrylate Oligomer	> 0 - <= 10	312 DELAY HLTH312 IMMEDIATE HLTH312 REACTIVESkin Irrit., 2Eye Irrit., 2A
Diacrylate Oligomer	> 0 - <= 5	312 IMMEDIATE HLTH312 REACTIVESkin Sens., 1
Acrylate Ester Monomers	> 0 - <= 3	312 IMMEDIATE HLTH312 REACTIVESkin Irrit., 2Eye Irrit., 2A
Triacrylate Monomer	> 0 - < 1	312 DELAY HLTH312 REACTIVE312 IMMEDIATE HLTHEye Irrit., 2ASkin Sens., 1

SARA 313**Form R - Reporting requirements**

Product name	CAS number	%
Monofunctional Monomer	-	>= 10 - <= 25

Supplier notification

Product name	CAS number	%
Monofunctional Monomer	-	>= 10 - <= 25

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : None of the components are listed.
- New York** : None of the components are listed.
- New Jersey** : The following components are listed:
Carbon Black
- Pennsylvania** : The following components are listed:

Carbon Black

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations**Inventory list**

Australia	:	Not determined.
Canada	:	Not determined.
China	:	Not determined.
Europe	:	Not determined.
Japan	:	Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.
Malaysia	:	Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined. Not determined.
Turkey	:	Not determined.
United States	:	Not determined.

Section 16. Other information**Procedure used to derive the classification**

Classification	Justification
SKIN IRRITATION - Category 2	Calculation method
EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
TOXIC TO REPRODUCTION (Fertility) - Category 2	Calculation method
TOXIC TO REPRODUCTION (Unborn child) - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (liver, respiratory tract) - Category 1	Calculation method

History

Date of printing	:	05/20/2011
Date of issue/Date of revision	:	10/08/2019
Date of previous issue	:	12/10/2018
Version	:	5.1
Prepared by	:	MULLENM
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 = International Convention for the Prevention of Pollution
From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" =
marine pollution)
UN = United Nations

References

: Not available.

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.