

# SAFETY DATA SHEET



<b>DATE ISSUED :</b>	7/24/2015
<b>SDS REF. No :</b>	N-8027A

Flat Black 2K

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Flat Black 2K

**PRODUCT CODE:** N-8027A

**PRODUCT USE:** Refer to TDS and product label.

**MANUFACTURER**

NCP Coatings  
225 Fort Street  
Niles, MI,  
269-683-3377

**24 HR. EMERGENCY TELEPHONE NUMBER**

**CHEMTREC (US Transportation):** (800)424-9300  
**CHEMTREC (International Transportation):** 1(202)483-7616

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE :** Liquid

**IMMEDIATE CONCERNS :** Highly flammable liquid and vapor

**CLASSIFICATION :** Acute Tox. 4, Flammable Liquid 2, STOT SE 3 NE, STOT SE 3 RTI

**PICTOGRAMS**



**SIGNAL WORD :** Danger

**GHS HAZARD STATEMENTS :** H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

**GHS PRECAUTIONARY STATEMENTS :** P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.  
P342 + P313 If experiencing respiratory symptoms: Get medical advice / attention.  
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P285 In case of inadequate ventilation wear respiratory protection.  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents/container in accordance with local/national/international regulations.  
P370 + P378 In case of fire: Use appropriate method to extinguish. See Section 5 of SDS.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt %	CAS Number	GHS
Butyl Acetate	15-20%	123-86-4	H226 Flammable liquid and vapor. H336 May cause drowsiness or dizziness.
*2-Butanone	14.58	78-93-3	H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H332 Harmful if inhaled. H370 Causes damage to organs. H320 Causes eye irritation.
Cyclohexanone	5-10%	108-94-1	H226 Flammable liquid and vapor. H302 Harmful if swallowed. H311 toxic in contact with skin. H319 Causes serious eye irritation. H332 Harmful if inhaled.
*Toluene	7.29	108-88-3	H225 highly flammable liquid and vapor. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. H350 May cause cancer.

			H360 May damage fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.
Isopropyl Acetate	5-10%	108-21-4	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Calcium Carbonate	5-10%	1317-65-3	H372 Causes damage to lungs through prolonged or repeated exposure via inhalation.
*Mixed Xylenes	2.66	1330-20-7	H226 Flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure.
Carbon Black	1.4	1333-86-4	Not sufficient for classification.
Ethyl Benzene	0.47	100-41-4	H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure..

\* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

"WARNING: THIS PRODUCT MAY CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM."

#### 4. FIRST AID MEASURES

**EYES :** Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

**SKIN :** Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated shoes and clothes and clean before reuse.

**INGESTION :** DO NOT induce vomiting. Get medical attention immediately.

**INHALATION** : Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**SYMPTOMS** : May cause drowsiness or dizziness.

**EFFECTS** : Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

**5. FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA** : Water mist or fog, dry chemical, foam, carbon dioxide.

**FIRE FIGHTING PROCEDURES** : As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Use water with caution. Material will float and may ignite on surface of water. Water may be ineffective in fighting the fire. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike collect water used to fight fire. Small fires: carbon dioxide or dry chemical. Large fire: alcohol-type aqueous film-forming foam or water spray.

**UNUSUAL FIRE AND EXPLOSION HAZARD** : Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.

**COMBUSTION PRODUCTS** : During combustion carbon monoxide and/or carbon dioxide may be formed.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL** : Eliminate all sources of ignition. Provide good ventilation and minimize the breathing of vapors and avoid skin contact. Dike spill area and absorb the spilled liquid with earth, sawdust or a commercially available absorbent. Shovel spent absorbent into recovery or salvage drums for appropriate disposal.

**LARGE SPILL** : Wear appropriate personal protective equipment. Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Use only non-combustible material for cleanup. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand, earth or sawdust), then place in a chemical waste collector.

**EMERGENCY PRECAUTIONS** : Eliminate ignition sources. Avoid large exposures to vapors.

**7. HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING** : Use only in a well ventilated area. Avoid breathing vapor, fumes, or mist. Avoid contact with eyes, skin, and clothing. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Always open containers slowly to allow any excess pressure to vent. Follow all SDS/label precautions even after containers are emptied because they may retain product residues.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES :** Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

### EXPOSURE LIMITS

Components	CAS	Limits
Butyl Acetate	123-86-4	ACGIH TLV 150 PPM TWA OSHA PEL 150 PPM TWA
*2-Butanone	78-93-3	ACGIH TLV 200 PPM TWA OSHA PEL 200 PPM TWA
Cyclohexanone	108-94-1	OSHA PEL 50 PPM TWA ACGIH TLV 25 PPM TWA
*Toluene	108-88-3	OSHA PEL 200 PPM TWA ACGIH TLV 100 PPM TWA
Isopropyl Acetate	108-21-4	ACGIH TLV 100 PPM TWA OSHA PEL 250 PPM TWA
Calcium Carbonate	1317-65-3	OSHA PEL 15 mg/m <sup>3</sup> Total Dust ACGIH TLV 10 mg/m <sup>3</sup> Total Dust
*Mixed Xylenes	1330-20-7	ACGIH TLV 100 PPM TWA OSHA PEL 100 PPM TWA
Carbon Black	1333-86-4	OSHA PEL: 3.5 mg/m <sup>3</sup> TWA ACGIH TLV: 3.5 mg/m <sup>3</sup> TWA
Ethyl Benzene	100-41-4	ACGIH TLV 100 PPM TWA OSHA PEL 100 PPM TWA

### OSHA TABLE COMMENTS:

NE = Not Established

**ENGINEERING CONTROLS :** Engineering controls should be in place to minimize exposure to vapors and any ignition sources.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE :** Wear safety glasses with side shields (or goggles) and a face shield.

**SKIN :** Wear impervious gloves to prevent contact with skin. Wear protective gear as needed - apron, suit, boots.

**RESPIRATORY :** NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

**WORK HYGIENIC PRACTICES :** Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

**OTHER USE PRECAUTIONS :** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE :** Liquid

**ODOR :** Typical

**ODOR THRESHOLD :** Not determined.

**pH :** Not determined.

**BOILING POINT :** 191.0 F

**FLASH POINT AND METHOD :** 20°F(-7°C)  
SETAFLASH CLOSED CUP

**FLAMMABLE LIMITS :** .8 TO 11.4

**VAPOR PRESSURE :** Not determined.

**VAPOR DENSITY :** Heavier than air

**SPECIFIC GRAVITY :** 1.1318597

**AUTO-IGNITION TEMPERATURE :** Not determined.

**VOC EPA METHOD 24 :** 5.4286457 lb/gal

## 10. STABILITY AND REACTIVITY

**STABILITY :** No information available.

**CONDITIONS TO AVOID :** Avoid impact, friction, heat, sparks, flame and source of ignition.

**INCOMPATIBLE MATERIALS :** Prevent contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** During combustion carbon monoxide and/or carbon dioxide may be formed.

**HAZARDOUS POLYMERIZATION :** No information available.

## 11. TOXICOLOGICAL INFORMATION

**SIGNS AND SYMPTOMS OF OVEREXPOSURE :**

**ACUTE EFFECTS :**

**EYE :** Causes eye irritation.

**SKIN :** Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**INHALATION :** Vapors are irritating to nasal passages and throat. High concentrations can cause stupor and headaches. May cause dizziness and drowsiness.

**INGESTION :** Irritating to mouth, throat, and stomach. May cause headache. May cause dizziness and drowsiness and/or stupor.

**CHRONIC EFFECTS :** Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

**Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Contact**

**ACUTE TOXICITY VALUES :** The acute effects of this product have not been tested. Data on individual components are listed below.

<b>CAS Number</b>	<b>TEST</b>
123-86-4	Oral LD50: >14,130 mg/kg, Dermal LD50:>160,000, Vapor LC50: >20.0 mg/L,
78-93-3	Oral LD50:>2193 mg/kg, Dermal LD50>5000 mg/kg, Vapor LC50 38,000 mg/L,
108-94-1	Oral LD5:>1,400 mg/kg, Dermal LD50:>948 mg/kg, Vapor LC50: >32,080 mg/L,
108-88-3	Oral LD50:>7,000 mg/kg, Dermal LD50:>12,000 mg/kg, Vapor LC50:>30.0 mg/L,
108-21-4	Oral LD-50: (Rat): 6,750 mg/kg, Dermal LD-50:(Rat):>20 ml/kg, Inhalation LC5 (Rat 8 h): 50.6 mg/l,
1317-65-3	Oral LD50: 6450 mg/kg
1330-20-7	Oral LD50: >3523 mg/kg, Dermal LD50: >4200 mg/kg, Vapor LC50: >20 mg/L,
1333-86-4	Oral LD50: >8000 mg/kg

100-41-4	Oral LD50: 3500 mg/kg, Dermal LD50: 15433 mg/kg, Vapor LC50: >20 mg/L,
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## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Information not available on mixture. Information on individual components is listed below if available.

CAS Number	TEST
123-86-4	No information available
78-93-3	No Information available.
108-94-1	
108-88-3	No Information available.
108-21-4	Fish LC-50 (golden orfe 48h): 265 - 360 mg/l, Aquatic invertebrates LC-50 (daphnid 48 h): 1,260 mg/l,
1317-65-3	Not expected to be harmful to aquatic organisms
1330-20-7	No information available.
1333-86-4	Acute algae EC50: >10,000 mg/L, Acute fish LC50>1000 mg/L, Acute water flea EC50:>5600 mg/L,
100-41-4	No information available

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD :** Dispose of waste in accordance with all local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

**UN NUMBER/ PROPER SHIPPING NAME/ TRANSPORT HAZARD CLASS/ PACKING GROUP**  
: UN1263;PAINT;3;II

## 15. REGULATORY INFORMATION



**REGULATORY OVERVIEW:** The regulatory data in section 15 is not intended to be all-inclusive, only selected regulations are represented.

**TSCA:** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)  
311/312/313 REPORTABLE INGREDIENTS:** See Section 3.

**EPA HAZARDS:**

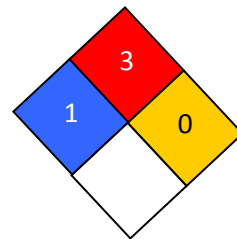
**FIRE :** Yes                      **PRESSURE GENERATING :** No  
**REACTIVITY :** No      **ACUTE :** Yes      **CHRONIC :** Yes

**DSL:** All components of this material are on or exempt from listing on the Canadian Domestic Substances List(DSL).

**16. OTHER INFORMATION**

HMIS RATING	
Health :	2
Flammability :	3
Reactivity :	0
Personal Protection :	G

**NFPA CODES**



**HMIS and NFPA rating scale: (0=minimal hazard; 4=severe hazard)**

**REVISION INDICATOR :** GHS Format 5/5/15

**MANUFACTURER DISCLAIMER :** The foregoing data has been compiled from sources which the company, in good faith, believes to be dependable and is accurate and reliable to the best of our knowledge and belief. However, the company cannot make any warranty or representation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating thereto or for advising you regarding the protection of your employees, customers, or others. User should consult OSHA and other applicable safety laws and regulations before use.