

# Novation iQ: SOL38

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SOL38  
**Product Form:** Powder  
**Synonyms:** devulcanized rubber, reclaimed tire rubber, reprocessed ground tire rubber  
**Manufacturer:** Novation iQ L.L.C.  
9806 Lackman Road  
Lenexa, KS 66219-1375  
**Emergency Contact:** Novation iQ: 1-913-492-6000

## 2. HAZARD IDENTIFICATION

**Classification of the Substance:**

**GHS-US classification**

Combustible dust

**Label Elements:**

**GHS-US Labeling**

Signal word (GHS-US)



**Warning:**

May form combustible dust concentrations in air

Hazard statements (GHS-US)

**Other Hazards:**

No additional information

**Unknown Acute Toxicity (GHS US):**

No data available

### 3. COMPOSITION

<b>EXEMPT:</b>	These product(s) are considered to be an "Article" according to Title 29 of the CFR, OSHA hazardous communication standard Part 1910.1200 (b)(6)(v).
<b>OSHA Regularity Status:</b>	While this material is not classified as hazardous under OSHA regulations, this SDS contains information relevant to the safe handling and proper use of the product.
<b>Physical State:</b>	Solid
<b>Color(s):</b>	Black

### 4. FIRST-AID MEASURES

#### Description of First Aid Measures:

First-aid measures general:	If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person
First-aid measures after inhalation:	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.
First-aid measures after skin contact:	IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.
First-aid measures after eye contact:	IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.
First-aid measures after ingestion:	IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

#### Most Important Symptoms and Effects, Both Acute and Delayed:

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause skin irritation.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

**Indication of Any Immediate Medical Attention and Special Treatment Needed:**

No additional information available.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:**

Suitable Extinguishing Media: Dry chemical. Class A fire extinguisher. Carbon dioxide. Foam.

Unsuitable Extinguishing Media: Do not use a heavy water stream.

**Special Hazards Arising from the Substance or Mixture:**

Fire hazard: May form combustible dust concentrations in air. Keep away from ignition sources.

Explosion hazard: Product is not explosive.

Reactivity: No dangerous reactions known under normal conditions of use.

**Advice for Firefighters:**

Precautionary measures fire: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

General measures: Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

**For Non-emergency Personnel**

Protective equipment: Wear Protective equipment as described in Section 8.

Emergency procedures: Evacuate unnecessary personnel.

**For Emergency Responders:**

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

**Environmental Precautions:**

Prevent entry to sewers and public waters. Notify authorities if solid enters sewers or public waters. Avoid release to the environment.

**Methods and Material for Containment and Cleaning Up**

For containment: Sweep or shovel spills into appropriate container for disposal.

Methods for cleaning up: Wear suitable protective clothing. Wear suitable respiratory protective equipment. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

**Reference to Other Sections**

See Sections 8 and 13.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling:**

Handle in accordance with good industrial hygiene and safety procedures. Do not handle until all safety precautions have been read and understood. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Conditions for safe storage, including any incompatibilities:**

Storage conditions: Keep the container tightly closed. Store in a dry, cool and well-ventilated place.

**Specific end use(s):**

Reclaimed ground rubber for tires, footwear, plastics, industrial rubber, asphalt, construction, coatings and consumer goods.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Appropriate Engineering Controls:** Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment:** Gloves. Protective goggles. Wear a lab coat with full coverage clothing.



**Hand Protection:** Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

**Eye Protection:** Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles. Chemical goggles and face shield must be worn in combination.

**Skin and Body Protection:** Wear long sleeves.

**Respiratory Protection:** Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Physical State	solid
Color	black
Odor	reclaimed rubber smell

**Properties**

<b>Boiling point</b>	No data available
<b>Flash point</b>	246.11°C (475°F)
<b>Flammability (solid, gas)</b>	No data available
<b>Specific gravity</b>	1.12 to 1.18 (water =1)
<b>Water solubility</b>	Insoluble
<b>Autoignition temperature</b>	371.11°C (700°F)
<b>Melting point</b>	No data available

**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	No dangerous reactions known under normal conditions of use.
<b>Chemical Stability:</b>	Stable under recommended handling and storage conditions (see section 7).
<b>Possibility of Hazardous Reactions:</b>	None known.
<b>Conditions to Avoid:</b>	Avoid dust formation. Dust can form an explosive mixture with air.
<b>Incompatible Materials:</b>	None known.
<b>Hazardous Decomposition Products:</b>	None known.

**11. TOXICOLOGICAL INFORMATION**

**Information on Toxicological Effects:**

Acute Toxicity:	Not classified
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	Not classified
Aspiration hazard:	Not classified
Symptoms/injuries after inhalation:	May cause respiratory irritation
Symptoms/injuries after skin contact:	May cause skin irritation
Symptoms/injuries after eye contact:	Direct contact with the eyes is likely to be irritating
Symptoms/injuries after ingestion:	May cause gastrointestinal irritation

## 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	No data available
<b>Persistence and Degradability:</b>	No data available
<b>Bioaccumulative Potential:</b>	No data available
<b>Mobility in Soil:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods:

Waste Treatment Methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plans.

Waste Disposal Recommendations: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

## 14. TRANSPORT INFORMATION

**Shipping Name:** Reclaimed rubber

**DOT Hazard Class:** Not regulated

**UN/NA ID:** Not regulated

There are no known regulations for transporting this product.

## 15. REGULATORY INFORMATION

### US Federal Regulations:

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt.

SARA Section 311/312 Hazard Classes: None

**International Regulations:**

No additional information available.

**US State Regulations :**

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

<b>1,3-Butadiene (106-99-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	Yes	Yes	Yes	0.4 µg/day

<b>Carbon black (1333-86-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	Not available

<b>Lead monoxide (1317-36-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	Not available

<b>1,3-Butadiene (106-99-0)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

<b>Carbon black (1333-86-4)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

<b>Silica, amorphous, precipitated and gel (112926-00-8)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List



<b>Zinc Oxide (1314-13-2)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

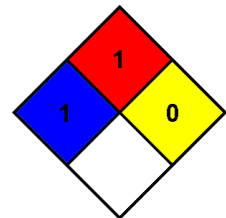
<b>Lead monoxide (1317-36-8)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Massachusetts - Right To Know List

<b>Sulfur (7704-34-9)</b>
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

<b>Cadmium oxide (1306-19-0)</b>
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

**16. OTHER INFORMATION**

- |                    |                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------|
| NFPA health hazard | : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given. |
| NFPA fire hazard   | : 1 - Must be preheated before ignition can occur.                                                  |
| NFPA reactivity    | : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.        |



**HMIS III Rating**

- |                     |     |
|---------------------|-----|
| Health              | : 1 |
| Flammability        | : 1 |
| Physical            | : 0 |
| Personal protection | :   |

The information provided herein is that of qualified experts within Novation iQ, LLC. To our knowledge, the information is current as of the date of this safety data sheet. Since the use of this information is not within the control of Novation iQ, it is the user's obligation to determine the safe use conditions for this material.