



Safety Data Sheet ANCHOR CLEAN

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: ANCHOR CLEAN

SUPPLIER: Redwood Innovations
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2 COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS: Toluene <90%

3 HAZARDS IDENTIFICATION

Highly Flammable.

EYE CONTACT: There may be irritation and redness. The eyes may water profusely.
SKIN CONTACT: There may be irritation and redness at the site of contact.
INHALATION: Danger of serious health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness. There may be irritation of the throat with a feeling of tightness in the chest.
INGESTION: May cause lung damage if swallowed. There may be soreness and redness of The mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
OTHER HAZARDS: In use, may form flammable/explosive vapour-air mixture. Possible risk of harm to the unborn child.

4 FIRST AID MEASURES

EYE: Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention.
SKIN: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Obtain medical attention.
INHALATION: Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical advice.
INGESTION: Do not induce vomiting. Rinse mouth thoroughly. If conscious, give half a litre of water to drink immediately. Get medical attention immediately.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.
EXPOSURE HAZARDS: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

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5 FIRE FIGHTING MEASURES *continued*

PROTECTION OF FIRE-FIGHTERS: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6 ACCIDENTAL RELEASE MEASURE

For safety and environmental precautions, please review entire Safety Data Sheet for necessary information.

PERSONAL PRECAUTIONS DURING SPILL:

Refer to Section 8 of Safety Data Sheet for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

PRECAUTIONS TO PROTECT ENVIRONMENT:

Do not discharge into drains or rivers. Contain the spillage using bunding.

SPILL CLEANUP METHODS:

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7 HANDLING AND STORAGE

STORAGE CONDITIONS:

Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment is not a source of ignition.

HANDLING REQUIREMENTS:

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION



EXPOSURE LIMITS:

WEL (8hr TWA) – 191mg/m³
WEL (15min STEL) – 574mg/m³

ENGINEERING MEASURES:

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

EYE PROTECTION REQUIREMENTS: Safety glasses. Ensure eye bath is to hand.

GLOVE REQUIREMENTS: PVC or Butyl rubber gloves, Impermeable gloves.

CLOTHING REQUIREMENTS: Impermeable protective clothing.

RESPIRATORY REQUIREMENTS: Self contained breathing apparatus must be available in case of emergency.

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:

Liquid

APPEARANCE:

Colourless

ODOUR:

Aromatic

pH AS IS:

Not applicable

BOILING POINT:

110-111°C

MELTING/FREEZING POINT:

-95°C

SOLUBILITY IN WATER:

Insoluble

ALSO SOLUBLE IN:

Most organic solvents

FLAMMABILITY LIMITS %:

1.20 – Lower

7.10 - Upper

RELATIVE DENSITY:

0.871

VAPOUR PRESSURE (mmHg):

1.92kPa@13C

AUTOFLAMMABILITY:

480°C

FLASH POINT:

4°C

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10 STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions. Stable at room temperature.
CONDITIONS TO AVOID:	Heat. Hot surfaces. Sources of ignition. Flames.
MATERIALS TO AVOID:	Strong oxidising agents. Strong reducing agents. Will not polymerize.
HAZARDOUS DECOMPOSITION PRODUCTS:	In combustion emits toxic fumes.

11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Toluene IVN RAT LD50 1960 mg/kg ORL MUS LD50 2 gm/kg ORL RAT LD50 6900 mg/kg
CHRONIC TOXICITY:	Gas or vapour is harmful on prolonged exposure or in high concentrations. This chemical may cause skin/eye irritation and burns (corrosive). Toxic through skin absorption (percutaneous). Narcotic effect.
ROUTES OF EXPOSURE:	Toluene vapour will be absorbed in the lungs and body. Over exposure may cause narcotic effects and in extreme cases result in kidney and liver damage. Liquid is irritating to skin and eyes and can be absorbed through skin.

12 ECOLOGICAL INFORMATION

MOBILITY:	Readily absorbed into soil.
PERSISTENCE AND DEGRADABILITY:	Biodegradable.
POTENTIAL TO BIOACCUMULATE:	No bioaccumulation potential.
AQUATIC TOXICITY:	Harmful to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:	Via an authorised waste disposal contractor to an approved waste disposal site. It is the responsibility of the waste generator to determine the Toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.
DISPOSAL OF PACKAGING:	As for substance. Used containers must not be cut up or punctured until completely purged of product residues.

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14 TRANSPORT INFORMATION

ADR CLASS:	3
U.N. NUMBER:	1294
U.N. CLASS:	3
PACKING GROUP:	II
SHIPPING NAME:	Toluene
LABELLING:	3
CLASSIFICATION CODE:	F1
HAZARD ID No:	33
MARINE POLLUTANT:	No
EmS:	F-E,S-D
PACKING INSTRUCTIONS:	305(P&CA); 307(CAO)

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15 REGULATORY INFORMATION



HAZARD SYMBOLS:

Highly flammable
Harmful

RISK PHRASES:

R11: Highly flammable
R38: Irritating to skin
R48/20: Harmful, danger of serious damage to health by prolonged exposure through inhalation.

SAFETY PHRASES:

R63: Possible risk of harm to the unborn child.
R65: Harmful: may cause lung damage if swallowed.
R67: Vapours may cause drowsiness and dizziness.
S36/37: Wear suitable protective clothing and gloves.
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.
S16: Keep away from sources of ignition – No smoking.
S23: Do not breathe fumes.
S46: If swallowed, seek medical advice immediately and show the container or label.

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16 OTHER INFORMATION

OTHER INFORMATION:

Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapours may explode on ignition, do not cut, drill, grind or weld on or near this container.

INFORMATION CONTACT:

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LEGAL 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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.