



SAFETY DATA SHEET

Date issued: 02/16/2015

MONTANA[®] CR22AM ACTIVATOR

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code CR22AM **Product Name** ACTIVATOR
Recommended use A paint or paint constituent product

UNITED STATES OF AMERICA

Manufacturer

Company Name ChemSpec USA, Inc.
Address 9287 Smucker Road
Orrville, Ohio
44667

Telephone 1 330 669 8512
Facsimile 1 330 669 3965

Emergency Contact

Contact Name CHEMTREC
Contact number 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Overall Nature HAZARDOUS MIXTURE, DANGEROUS GOODS

Classification reference SANS10234 (1272/2008/EC) :

Classification of the substance or mixture

- (H225) Flammable liquids, Hazard Category 2
- (H332) Acute toxicity (inhalation), Hazard Category 4
- (H319) Serious eye damage/eye irritation, Hazard Category 2
- (H334) Sensitization ^ Respiration, Hazard Category 1
- (H351) Carcinogenicity, Hazard Category 2
- (H335) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Respiratory tract irritation

GHS label elements, including precautionary statements

Signal word **Danger**

Pictograms



Hazard and Precautionary Statements

Hazard Statements

- Highly flammable liquid and vapor
- Harmful if inhaled
- Causes serious eye irritation
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- Suspected of causing cancer
- May cause respiratory irritation

Precautionary Statements

Prevention Statements

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment. – if the explosive is electrostatically sensitive.
- Use explosion-proof electrical/ventilating/lighting/.../ equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wash ... thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.

Use personal protective equipment as required.
In case of inadequate ventilation wear respiratory protection.

Response Statements

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/ attention.
Call a POISON CENTER or doctor/physician if you feel unwell.
If eye irritation persists: Get medical advice/attention.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
In case of fire: Use powder/... for extinction.

Storage Statements

Store in a well-ventilated place. Keep container tightly closed. – if product is volatile so as to generate hazardous atmosphere.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal Statements

Dispose of contents/container in accordance with local/regional/ national/international regulations in accordance with local/regional/ national/international regulation

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product type : Mixture **Generic name :** PAINT or PAINT RELATED MATERIAL

CAS No. : Not applicable **EU Index No :** Not applicable **UN No :** 1263

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	% m/m	EC Labels	CAS Number	EC Index
n-BUTYL ACETATE	1-5 %		123-86-4	607-025-00-1
TOLUENE DI-ISOCYANATE MIXED ISOMERS.				
5-METHYLHEXAN-2-ONE	0.1-1.0 %	T+	26471-62-5	615-006-00-4
4-METHYLPENTAN-4-ONE	<25 %	- Xn	110-12-3	606-026-00-4
AROMATIC HYDROCARBON SOLVENT	<20 %	F Xn	108-10-1	606-004-00-4
	<20 %	Xn		o

Classification reference SANS10234 (1272/2008/EC) :

EC Index Classification | Hazard Code |
607-025-00-1 Flam. Liq. 3;STOT SE 3 | H226;H336 |
615-006-00-4 Carc. 2;Acute Tox. 2 ;Eye Irrit. 2;STOT SE 3;Skin Irrit. 2;Resp. Sens. 1;Skin Sens. 1;Aquatic Chronic 3 |
H351;H330;H319;H335;H315;H334;H317;H412 |
606-026-00-4 Flam. Liq. 3;Acute Tox. 4 | H226;H332 |
606-004-00-4 Flam. Liq. 2;Acute Tox. 4 ;Eye Irrit. 2;STOT SE 3 | H225;H332;H319;H335 |
o not found in T31 | |

SECTION 4. FIRST AID MEASURES

Inhalation Move to fresh air. In case of any discomfort seek medical attention immediately.
Skin Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention
Eyes Rinse well with water and seek medical advice if discomfort persists.
Ingestion Wash mouth with plenty of water. Do NOT induce vomiting. Seek medical advice.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media :

Foam. Dry powder. Fog to cool and control. Do NOT use water jets.

Specific hazards arising from the chemical :

Containers can burst in a fire. Can form explosive vapor/air mixture. Static discharge hazard!
Highly flammable with toxic fumes.
Cool containers in case of fire.

Special protective actions for fire-fighters :

Suitable extinguishing media : Foam, dry agent
Substance reacts violently/is explosive
For fires use breathing apparatus. If no fire, breathing apparatus not essential
Prevent, by any means available, spillage from entering drains or water courses

SECTION 6. ACCIDENTAL RELEASE MEASURES

Contain & collect. Use an inert - NOT sawdust. Keep out of drains & sewers.
Wear protective equipment (see Section 8). Keep unprotected persons away.
Do not allow product to reach sewage system or any water course.
Remove ignition sources and provide sufficient ventilation

SECTION 7. HANDLING AND STORAGE

Storage :

Store separately from : explosives, toxic gases, oxidizing substances, organic peroxides, poisonous (toxic) substances, infectious substances (biohazards),
No open flames. No smoking. No sparks.

Keep containers cool. Avoid free fall of liquid - use earthing.
Subject to local bylaws

Handling :

Ensure good ventilation/exhaustion at the workplace
Do not spray on a naked flame or any incandescent material
Eating, drinking and smoking in work areas is prohibited
Wash hands after use
Remove contaminated clothing and protective equipment before entering eating areas

Inhalation Use respiratory protection. Handle with extreme care. Absorb any spillage at once.
Skin Avoid direct contact. Use barrier cream and impervious gloves.
Eyes Avoid any form of direct contact. Do not touch eyes with dirty hands or gloves.
Ingestion Observe the rules of hygiene. Wash before eating, drinking or smoking.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	CAS Number	TWA OEL (mg/m3)	TWA OEL (ppm)	STOEL (mg/m3)	STOEL (ppm)	OEL Type	Vap.Press. (mmHg)
ACTIVATOR	-	-	-	-	-	-	-
Components :	Not applicable	-	-	-	-	-	-
n-BUTYL ACETATE	123-86-4	710.	150.	950	200	RL	8.7
TOLUENE DI-ISOCYANATE MIXED ISOMERS.	26471-62-5	-	-	0.070	-	CL S	.01
5-METHYLHEXAN-2-ONE	110-12-3	240.	50.	360	75	RL	-
4-METHYLPENTAN-4-ONE	108-10-1	205	50	300	75	RL+ S	16

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

OEL Type : Mixture

Maintain air concentrations below occupational exposure standards, using engineering controls as necessary
Appropriate hand protection and protective clothing must always be used
Keep away from foodstuffs, beverages and feed
Wash hands before breaks and at the end of work

Paint Type Mixture of synthetic resins, pigments and solvents
General PPE Requirements For Mixing, Brush Application, Roller Application, Pouring, etc.

Personal protective equipment :
Skin PPE : Overall and impervious gloves (e.g. nitrile rubber)
Respiratory PPE : Air purifying respirator (e.g. cartridge type)
Eye PPE : Face shield or solvent resistant goggles

HMIS Rating (USA) 2 - 4 - 0 - I (Health-Flam-Reactivity-PPE)
SAPMA Rating 2-H-E PPE : Gloves, Respirator and Eye protection



SPRAY BOOTH
Spray booth Type Spray booth complying with National Standards
Skin PPE Nitrile Gloves
Eyes PPE Face shield or solvent resistant goggles
Respiratory Protection Air supplied full face piece or head covering respirator suitable for organic vapors/particulates

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Viscous liquid
Odor	Pungent
pH	not available
Boiling point	>35°C
Melting point	not available
Flash point	<23°C
Explosive prop	not available
Oxidizing prop	not available
Vapor pressure	not available
Density	not available
Water solubility	not available
Fat solubility	not available
Partition coefficient	not available
Viscosity	not available
Vapor density	not available

Evaporation rate	not available
Auto ignition temperature	not available
L.E.L.	not available
U.E.L.	not available
% non volatile	not available
Regulatory VOC	3.87 lbs./gal (464 g/L)
Actual VOC	3.87 lbs./gal (464 g/L)

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions
 Prone to ignite by static
 No reaction with fire-fighting water
 Keep away from : explosives, toxic gases, oxidizing substances, organic peroxides, poisonous (toxic) substances, infectious substances (biohazards),

SECTION 11. TOXICOLOGICAL INFORMATION

Name	CAS Number	LD50 Oral mg/kg	LD50 Skin mg/kg	LC50 Inhal(gas) ppmV	LC50 Inhal(mist) mg/lt
ACTIVATOR	Not applicable	>500			
Components :	-----	-----	-----	-----	-----
n-BUTYL ACETATE	123-86-4	14000 mg (Rat)	>5000 mg (Rabbit)		
TOLUENE DI-ISOCYANATE MIXED ISOMERS.					
5-METHYLHEXAN-2-ONE	26471-62-5	6170 mg (Rat)			
4-METHYLPENTAN-4-ONE	110-12-3 108-10-1	2080 mg (Rat)			

Inhalation HARMFUL. Contains ISOCYANATE. Sensitizer with accumulative effects.
Skin HARMFUL BY CONTACT.
Eyes Irritating - may cause damage if not given prompt attention.
Ingestion Irritating.

SECTION 12. ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove
 Aquatic toxicity : No further relevant information available
 Persistence and degradability : No further relevant information available.
 Bioaccumulative potential : No further relevant information available.
 Mobility in soil : No further relevant information available.

No available ecological data of ingredients :

SECTION 13. DISPOSAL INFORMATION

Use reputable waste disposal contractors. Exercise caution in disposal of used containers.
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

SECTION 14. TRANSPORT INFORMATION

UN Number 1263
Shipping Name PAINT or PAINT RELATED MATERIAL
IMO Class 3.2
Packing Group II
Action Code 127
HazChem 3[Y]E
Kemler Code 30

USA (DOT) UN1263
CANADA (TDG) UN1263



SECTION 15. REGULATORY INFORMATION

CANADIAN DSL INVENTORY Components are listed on inventory list
USA TSCA INVENTORY Components are listed on inventory list

Canada WHMIS
B-2 : Flammable liquid with Flash Point lower than 37.8°C (100°F)
D-2B : Material causing other toxic effects

SECTION 16. OTHER INFORMATION

CONTAINS ISOCYANATE - POTENTIAL SENSITISER - ENSURE PRECAUTIONS ARE TAKEN.
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.
PAY SPECIAL ATTENTION TO STORAGE AND HANDLING REQUIREMENTS.
HMIS Rating (USA) : 2 - 4 - 0 - I (Health-Flam-Reactivity-PPE)

Hazard (H) phrases associated with components

H225 : Highly flammable liquid and vapor
H226 : Flammable liquid and vapor
H315 : Causes skin irritation
H317 : May cause an allergic skin reaction
H319 : Causes serious eye irritation
H330 : Fatal if inhaled
H332 : Harmful if inhaled
H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 : May cause respiratory irritation
H336 : May cause drowsiness or dizziness
H351 : Suspected of causing cancer
H412 : Harmful to aquatic life with long lasting effects

Abbreviations

Code : Abbreviation : Meaning
- : : flammable
F : : highly flammable
T+ : : very toxic
Xn : : harmful
=====: :
: : Associated pictogram code shown in brackets
H225 : Flam. Liq. 2 : (GHS02) Flammable liquids, Hazard Category 2
H226 : Flam. Liq. 3 : (GHS02) Flammable liquids, Hazard Category 3
H315 : Skin Corr/Irrit. 2 : (GHS07) Skin corrosion/irritation, Hazard Category 2
H317 : Skin Sens. 1 : (GHS07) Sensitization ^ Skin, Hazard Category 1
H319 : Eye Dam/Irrit 2 : (GHS07) Serious eye damage/eye irritation, Hazard Category 2
H330 : Acute Tox. 1 : (GHS06) Acute toxicity (inhalation), Hazard Category 1
H332 : Acute Tox. 4 : (GHS07) Acute toxicity (inhalation), Hazard Category 4
H334 : Resp. Sens. 1 : (GHS08) Sensitization ^ Respiration, Hazard Category 1
H335 : STOT SE 3 : (GHS07) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Respiratory tract irritation
H336 : STOT SE 3 : (GHS07) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Narcosis
H351 : Carc. 2 : (GHS08) Carcinogenicity, Hazard Category 2
H412 : Aquatic Chronic 3 : (none) Hazardous to the aquatic environment ^ Chronic Hazard, Category 3
=====: :
: : %m/m : Percent by mass
: : ACGIH : American Conference of Governmental Industrial Hygienist
: : ATE : Acute Toxicity Estimate
: : CAS : Chemical Abstracts Service
: : CHIP : Chemicals (Hazard Information and Packaging for supply)
: : CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
: : CNS : Central Nervous System
: : DIN : Standard of the German Institute for Standardization
: : DOT : Department of Transport
: : EC : European Community
: : EC50 : Effective Concentration (Median) for 50% of the response under test
: : ECB : European Chemicals Bureau
: : ECHA : European Chemicals Agency, Helsinki (http://echa.europa.eu/home_en.asp)
: : EEC : European Economic Community
: : EINECS : European Inventory of Existing Chemical Substances
: : ELINCS : European List of Notified Chemical Substances
: : GHS : Globally Harmonized System of Classification and Labelling of Chemicals
: : HMIS : Hazardous Materials Information System (USA only)
: : IATA : International Air Transport Association
: : IMDG : International Maritime Dangerous Goods Code
: : IMO : International Maritime Organization
: : INS : Guidance on Identification and Naming of Substances under REACH, ECHA, 2007
: : ISO : International Standards Organization
: : L.E.L. : Lower explosive limit
: : LD50/LC50 : Median (50%) lethal dose/concentration
: : mg/m3 : Milligrams per cubic meter
: : MSDS : Material safety data sheet
: : n./a. : Not available
: : NC : No Classification
: : No : Number
: : OEL : Occupational exposure limit
: : OEL-CL : Occupational exposure limit - control limit
: : OEL-RL : Occupational exposure limit - recommended limit
: : OHS Act : Occupational Health and Safety Act
: : P statement : Precautionary statement
: : PEL : Permissible Exposure Limit
: : PPE : Personal protective equipment
: : ppm : Parts per million
: : REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals
: : RTDG : Regulations on the Transport of Dangerous Goods. Generic term that covers all modal transport regulations (ADR, RID, ADN, IMDG and ITDG)
: : SABS : South African Bureau of Standards
: : SANS : South African National Standards
: : SAPMA : South African Paint Manufacturers Association
: : SARA 313 : Toxic Release Inventory Reporting SRA Section 3
: : SDS : Safety Data Sheet
: : STOEL : Short-term occupational exposure limit
: : STOT-RE : Specific Target Organ Toxicity - Repeated Exposure
: : STOT-SE : Specific Target Organ Toxicity - Single Exposure
: : TDG : Transport of Dangerous Goods
: : TSCA : Toxic Substance Control Act (USA only)
: : TWA : Time weighted average
: : U.E.L. : Upper explosive limit
: : UN : United Nations

This SDS conforms with General Administrative Regulations of 6 Sept.1996 (SANS11014:2010/ISO11014:2009) OEL's derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42). All information is given in good faith but without guarantee in respect of accuracy. No responsibility is accepted for errors or omissions or the consequences thereof.

While all information is accurate to the best of our knowledge, we continue updating ALL SDS document formats in accordance with the most recent GHS mandated changes.

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