



1. IDENTIFICATION

PRODUCT CODE: TURBO1
PRODUCT NAME : Activator
USAGE : For industrial and professional usage
USAGE ADVISED AGAINST : Any non-intended use
SUPPLIER: Tec-N-Tec Inc.
8244 Pascal-Gagnon
Montreal, QC, H1P 1Y4
Phone : (514)325-7777
EMERGENCY TELEPHONE : CANUTEC : (613)996-6666

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE :
REGULATION (EC) N°. 1272/2008
- Flammable liquid, cat. 2
- Serious eye damage/eye irritation, cat. 2
- Specific target organ toxicity – single exposure : STOT SE 3

PICTOGRAMS :



WARNING :
- Danger

HAZARD STATEMENTS :
- H225 Highly flammable liquid and vapor
- H319 Causes serious eye irritation
- H336 Suspected of causing drowsiness or dizziness

PRECAUTIONARY STATEMENTS :
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P312 Call a poison center or doctor if you do not feel well.
- P337+313 If eye irritation persists, get medical advice.
- P370+378 In case of fire, use either a water spray, carbon dioxide, extinguishing powder, dry extinguishing powder or alcohol resistant foam to extinguish it.
- P403+233 Store in a cool, dry, well-ventilated place in a closed container away from flames, heat or sparks.
- P501 Dispose of waste according to applicable legislation.
- EUH066 Repeated exposure may cause skin dryness or cracking

OTHER HAZARDS :
- In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

3. HAZARDOUS COMPONENTS

CHEMICAL NAME	%	CAS No
ACETONE; PROPAN-2-ONE; PROPANONE	50-100	67-64-1
N, N-DIMETHYL-P-TOLUIDINE	1-<5	99-97-8



4. FIRST AID

INHALATION : Remove casualty to fresh air and keep at rest. In all cases of doubt, or when symptoms persist, seek medical advice.

SKIN : Wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, consult a physician.

EYES : Rinse cautiously with water for 15 minutes. Remove contact lenses, if possible. Continue rinsing. Consult an ophthalmologist if symptoms persist.

INGESTION : Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). In all cases of doubt, or when symptoms persist, seek medical advice.

IMPORTANT SYMPTOMS ET EFFECTS : Inhalation causes nactotic effects/intoxication.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED : Treat symptomatically.

5. FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Water spray, carbon diiodide, extinguishing powder, dry extinguishing powder, alcohol resistant foam.

UNSUITABLE EXTINGUISHING MEDIA : High power water jet.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OF MIXTURE : Combustible. Vapours may form explosive mixtures with air.

HAZARDOUS COMBUSTION PRODUCTS : Carbon monoxide and carbon dioxide.

SPECIAL PROTECTIVE EQUIPMENT AND FIREFIGHTER PRECAUTIONS : Wear self-contained breathing apparatus and chemical protective suit. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguisher water separately. Avoid contaminated water flowing to surface water and sewers.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES : Wear personal protection equipment. (See section 8). Remove all sources of ignition. Remove persons to safety. Ventilate affected area. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Avoid contact with skin, eyes and clothes. Do not breath gas/vapour/aerosol.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING :

- *Advice on safe handling.* Provide adequate ventilation as well as local exhaust at critical locations. Wear personal protection equipment (refer to section 8).

- *Advice on protection against fire and explosion.* Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges. Heating causes rise in pressure with risk of bursting. Flammable vapours can accumulate in head space of closed systems.

- *Further information on handling.* Avoid contact with skin, eyes and clothes. Do not breath gas/vapour/aerosol. General protection and hygiene measures (refer to section 8).

CONDITIONS FOR SAFE STORAGE:

- *Requirements for storage rooms and vessels.* Keep container tightly closed in a cool, well-ventilated place. Protect against direct sunlight.

- *Advice on storage compatibility.* Do not store together with : Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases. Oxidizing liquids. Oxidizing solids. Ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides. Non-combustible toxic substances. Radioactive substances. Infectious substances.

- *Further information on storage conditions.* Recommended storage temperature : 20°C. Protect against light, heat, cold, moisture, UV

radiation and sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Exposure limits :

CAS No	SUBSTANCE	PPM	MG/M ³	CATEGORY	ORIGIN
67-64-1	ACETONE	500 1500	1210 3620	TWA (8h) STEL (15min)	WEL WEL



Appropriate engineering controls : If handle uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Individual protection measures :

- *Protective and hygiene measures :* Always close containers tightly after the removal of product. When using, do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs. Protect skin by using skin protective cream.
- *Eye/Facce protection :* Suitable eye protection. Tightly sealed safety glasses.
- *Hand protection :* Wear suitable gloves. Suitable material: Butyl rubber – Thickness of gloves material 0.5mm (Breakthrough time > 4h). Penetration time (maximum wearing period) >= ~ 160min. In the case of wanting to use the gloves again, clean them before taking off and air them well. Before using, check for leak tightness / impermeability. For special purpose, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- *Skin protection :* Protective clothing. Minimal standard for preventive measures while handling with working materials are specified in TRGS 500.
- *Respiratory protection :* With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at exceeding exposure limit values. Suitable respiratory protective equipment: protective respiration apparatus not using surrounding air.
- *Environmental exposure controls :* Do not allow to enter into surface water or drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and colour : Liquid and colourless

Odour : Characteristic

pH : Not determined

Melting point/Freezing point: Non determined

Boiling point : 56°C

Flash point : < -20°C

Evaporation rate : Non available

Flammability (solid and gas) : Non determined

Lower explosion limit : 2.5 vol.%

Upper explosion limit : 14.3 vol.%

Vapour pressure : 246 hPa (at 20°C) and 814 hPa (at 50°C)

Vapour density : No information available

Relative density : 0.79 g/cm³

Water solubility : Not miscible – partially miscible

Partition coefficient n-octanol/water : Non determined

Auto-ignition temperatur : Non determined

Decomposition temperature : Non determined

Kinematic viscosity : Non determined

10. STABILITY AND REACTIVITY

Reactivity : No information available.

Chemical stability : The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions : Heating causes rise in pressure with risk of bursting. Flammable vapours can accumulate in head space of closed systems. In use, may form flammable/explosive vapour-air mixture.

Conditions to avoid : Ignition hazard. Keep away from heat. Protect against direct sunlight.

Incompatible materials : Hydrogen peroxide, bromine trifluoride, difluoridoxid, 2-methyl-1, 3-butadiene, nitromethane, nitrosyl chloride(catalyst), nitrosylperchlorat, alkali hydroxide, bromine, fluorine, sodium, strong reducing agents, nitric acid, chromic acid, chromium trioxide, chromyl chloride, ethanolamine, potassium tert-butoxide, strong oxidizing agents.

Hazardous decomposition products : Can be release in case of fire: Carbon monoxide, Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Exposures routes : This product can be absorbed through inhalation, skin contact or digestion.

Acute toxicity :

CAS No/CHEMICAL NAME	EXPOSURE ROUTES	METHOD	DOSE	SPECIES	SOURCE
67-64-1/ACETONE	Oral	LD50	5800 mg/kg	Rat	ECHA Dossier
	Dermal	LD50	7400 mg/kg	Rabbit	ECHA Dossier
	Inhalative vapour	LC50	50.1 mg/l	Rat	RTECS
99-97-8 N, N-dimethyl-p-toluidine	Oral	ATE	100 mg/kg		
	Dermal	LD50	> 2000 mg/kg	Rat	ECHA Dossier
	Inhalative vapour	LC50	1.4 mg/l	Rat	GESTIS
	Inhalative aerosol	ATE	0.5 mg/l		

Irritation and corrosivity on skin : Not an irritant.

Irritation and serious eye damage: Causes serious eye irritation.

Sensitising effects : Based on available data, the classification criteria are not met. No danger of sensitization. The statement is derived from the properties of the single components.

STOT-Single exposure : May cause drowsiness or dizziness (acetone; propan-2-one; propanone).

Carcinogenicity : Based on available data, the classification criteria are not met.

Toxic effects for reproduction : Acetone : No experimental indications of mutagenicity in-vitro exist. Literature information: ECHA Dossier. Developmental toxicity/teratogenicity (rat) NOAEL = 11 000ppm. Literature information: ECHA Dossier.



12. ECOLOGICAL INFORMATION

Aquatic and terrestrial ecotoxicology :

CAS No/CHEMICAL NAME	TOXICITY	METHOD	DOSE	LENGTH	SPECIES	SOURCE
67-64-1 - Acetone	Acute fish	LC50	5540 mg/l	96h	Onchorhynchus mykiss	ECHA Dossier
	Acute crustacea	EC50	8800 mg/l	48h	Daphnia pulex	ECHA Dossier
99-97-8 - N, N-dimethyl-p-toluidine	Acute fish	LC50	46-53 mg/l	96h	Pimephales promelas	GESTIS

Persistence and degradability :

CAS No/CHEMICAL NAME	METHOD	Value	d	Source	Evaluation
67-64-1 - Acetone	OECD 301B/ISO 9439/ ECC 92/69 annex V, C 4-C	90	28	ECHA Dossier	Product is biodegradable

Bioaccumulative potential :

CAS No	CHEMICAL NAME	LOG POW
67-64-1	Acetone; Propane-2-One; Propanone	-0.24
99-97-8	N, N-dimethyl-p-toluidine	2.81

Mobility in soil : No information available

Other adverse effects : No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Observe in addition any national regulations. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process. Control report for waste code/waste marking according to EAKV.

Waste disposal number of waste from residues / unused products :

160305 – Waste not otherwise specified in the list: off-specification batches and unused products; organic wastes containing hazardous substances. Classified as hazardous waste.

Waste disposal number of used product :

160305 – Waste not otherwise specified in the list: off-specification batches and unused products; organic wastes containing hazardous substances. Classified as hazardous waste.

Waste disposal number of contaminated packaging :

150110 – Waste packaging; Absorbents; Wiping cloths; Filter materials and protective clothing not otherwise specified; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances. Classified as hazardous waste.

Contaminated packaging : Handle contaminated packages in the same way as the substance itself.

14. TRANSPORT INFORMATION

UN Number : UN 1993

UN Proper shipping name : Flammable liquid, N.O.S. (Acetone)

Transport hazard class(es) : 3

Packing group : II

Environmental hazards : No

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

Special precautions for user : Refer to sections 6 to 8.





15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

EU regulatory information :

2010/75/EU (VOC) : 100% (calculated)

2004/42/EC (VOC) : 790 g/l (calculated)

Information according to 2012/18/EU (SEVESO III) : P5c Flammable liquids

Additional information :

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 (CLP).

REACH 1907/2006 Appendix XVII : 3

National regulatory informations :

Employment restrictions : Observe employment restrictions for young people.

Waster class contamination (D) : 2-water contaminating

Chemical safety assessment : Chemical safety assessments for substances in this mixture were not carried out.

16. OTHER INFORMATIONS

Written by: Tec-N-Tec inc.

Telephone: (514)325-7777

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THE ABOVE INFORMATION DESCRIBES EXCLUSIVELY THE SAFETY REQUIREMENTS OF THE PRODUCT AND IS BASED ON OUR PRESENT-DAY KNOWLEDGE. THE INFORMATION IS INTENDED TO GIVE YOU ADVICE ABOUT THE SAFE HANDLING OF THE PRODUCT NAMED IN THIS SAFETY DATA SHEET, FOR STORAGE, PROCESSING, TRANSPORT AND DISPOSAL. THE INFORMATION CANNOT BE TRANSFERRED TO OTHER PRODUCTS. IN THE CASE OF MIXING THE PRODUCT WITH OTHER PRODUCTS OR IN THE CASE OR PROCESSING, THE INFORMATION ON THIS SAFETY DATA SHEET IS NOT NECESSARILY VALID FOR THE NEW MADE-UP MATERIAL.